

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101123\
 Data File : VL040764.D
 Acq On : 11 Oct 2023 20:26
 Operator : SY/MD
 Sample : QC100423 CAN 1010410
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Oct 12 00:28:26 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

QLast Update : Thu Oct 12 00:21:08 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.211	49	1018633	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	2889276	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2632823	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.783 95 1964258 10.139 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.400%

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.767	85	11746	0.065	ppbv	93
3) Chlorodifluoromethane	2.710	51	10542	0.070	ppbv	95
4) Chloromethane	2.845	50	2343	0.040	ppbv #	76
5) Vinyl Chloride	2.954	62	3862	0.063	ppbv	91
6) Bromomethane	3.153	94	1841	0.073	ppbv #	41
7) Chloroethane	3.227	64	1043	0.052	ppbv #	67
8) Dichlorotetrafluoroethane	2.890	85	10471	0.077	ppbv	89
9) Propene	2.732	41	6407	0.115	ppbv	92
11) Trichlorofluoromethane	3.594	101	10047	0.073	ppbv #	76
12) 1,1,2-Trichlorotrifluo...	4.092	101	3954	0.040	ppbv #	31
14) Bromoethene	3.398	108	2478	0.059	ppbv #	48
16) 1,3-Butadiene	3.021	39	4304	0.078	ppbv	96
18) 1,1-Dichloroethene	3.899	96	1722	0.039	ppbv #	62
20) Methylene Chloride	3.960	84	11552	0.263	ppbv #	89
24) 1,1-Dichloroethane	4.584	63	5629	0.056	ppbv #	75
25) Ethyl Acetate	5.234	43	9212	0.040	ppbv #	74
26) Hexane	5.234	57	15058	0.143	ppbv #	76
27) Carbon Disulfide	4.156	76	8373	0.072	ppbv #	4
30) Cyclohexane	6.616	84	5390	0.060	ppbv #	5
31) cis-1,2-Dichloroethene	5.102	61	4433	0.046	ppbv #	69
35) Carbon Tetrachloride	6.507	117	5655	0.035	ppbv #	46
36) Benzene	6.388	78	11874	0.053	ppbv	95
38) Trichloroethene	7.304	130	3028	0.031	ppbv #	91
39) 1,2-Dichloropropane	6.664	63	666309	7.674	ppbv #	25
42) Bromodichloromethane	7.262	83	10329	0.061	ppbv	89
44) 2,2,4-Trimethylpentane	7.336	57	22571	0.060	ppbv #	82
47) 1,1,2-Trichloroethane	8.909	97	2964	0.032	ppbv #	82
52) Tetrachloroethene	10.616	164	3312	0.037	ppbv #	43
53) Toluene	9.227	91	13288	0.050	ppbv #	55
56) 1,1,1,2-Tetrachloroethane	11.516	131	4222	0.039	ppbv #	15
57) Chlorobenzene	11.532	112	7826	0.041	ppbv #	81
59) m/p-Xylene	12.368	91	9508	0.035	ppbv #	30
60) o-Xylene	13.063	91	16370	0.063	ppbv	70
62) Isopropylbenzene	14.031	105	15121	0.038	ppbv #	50
63) 1,1,2,2-Tetrachloroethane	13.056	83	6103	0.031	ppbv #	1
67) sec-Butylbenzene	16.641	105	17522	0.035	ppbv #	57
69) p-Isopropyltoluene	16.998	119	14159	0.034	ppbv #	29
71) 2-Chlorotoluene	14.802	91	11751	0.039	ppbv #	30
75) 1,3-Dichlorobenzene	16.336	146	6491	0.036	ppbv #	23
78) Hexachloro-1,3-Butadiene	22.641	225	4741	0.037	ppbv #	1
79) Naphthalene	21.387	128	7785	0.033	ppbv #	87
80) Naphthalene,2-methyl-	24.381	142	13302	0.199	ppbv #	77
81) 1,2,4-Trichlorobenzene	21.140	180	3917	0.030	ppbv #	11

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ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Oct 12 00:28:26 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Thu Oct 12 00:21:08 2023
Response via : Initial Calibration

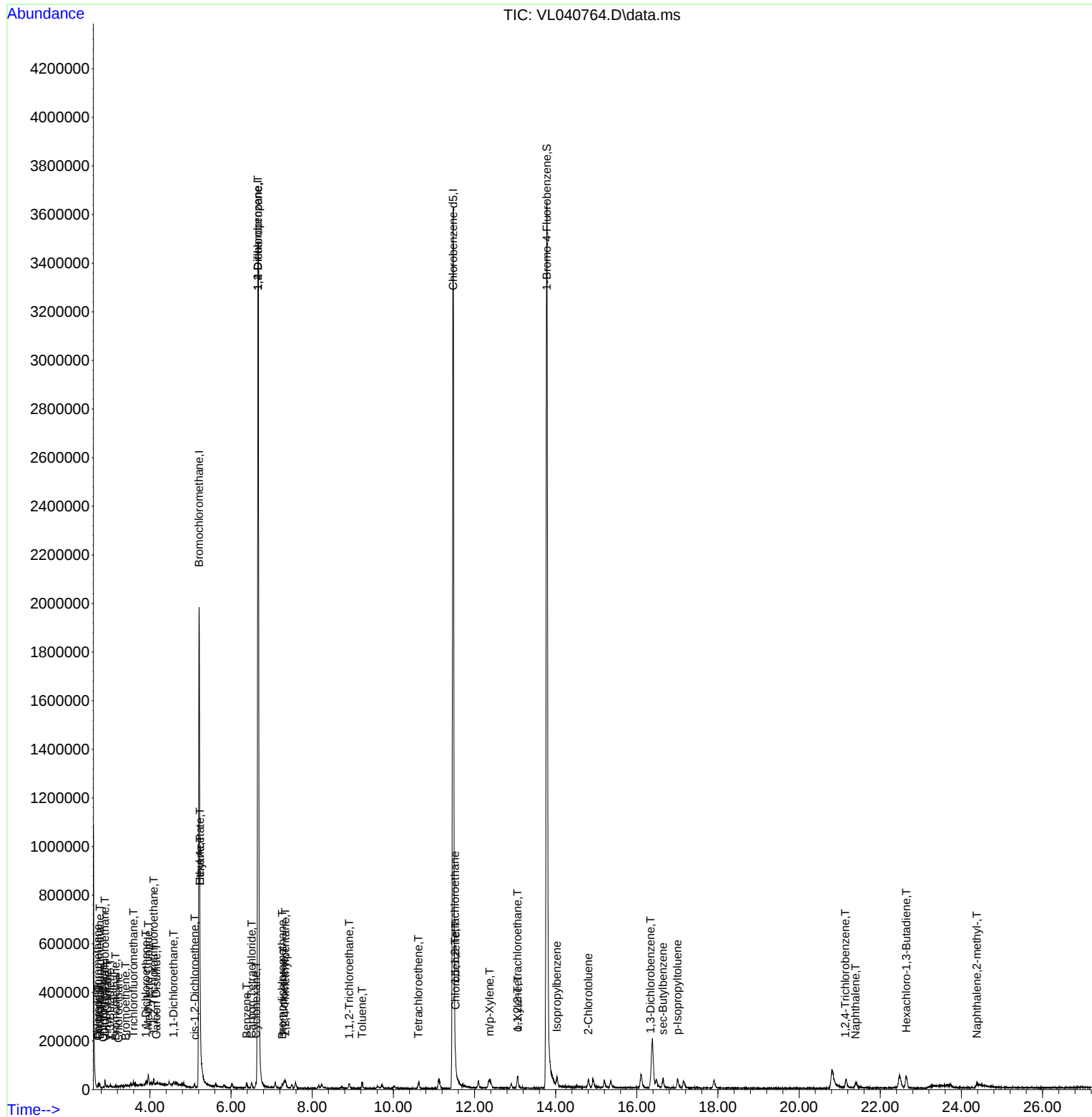
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

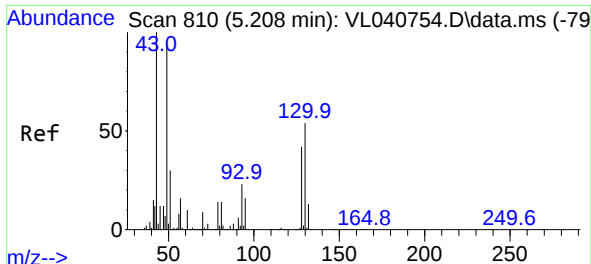
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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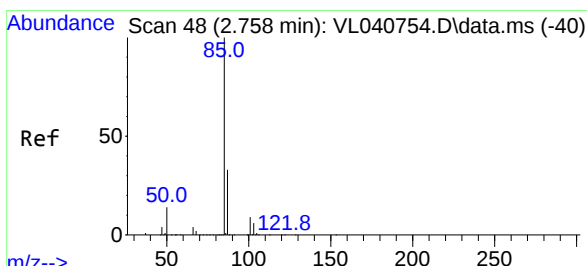
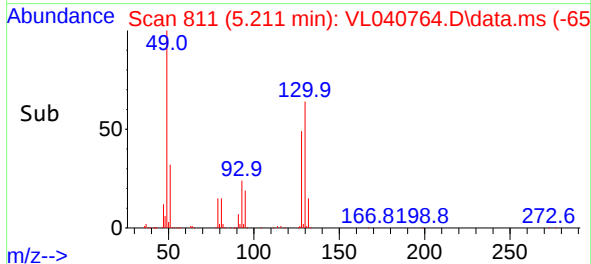
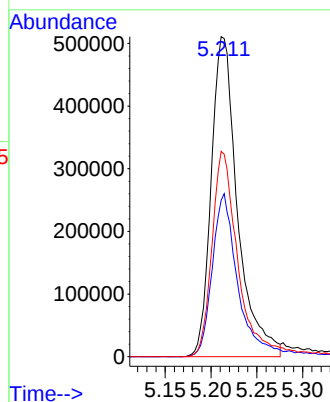
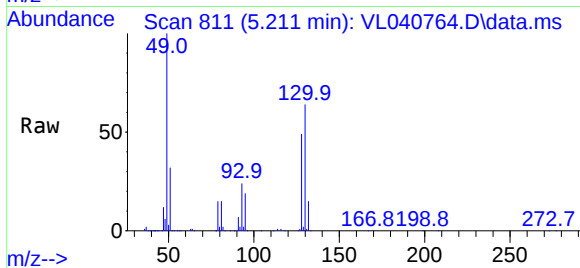




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.211 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL040764.D
Acq: 11 Oct 2023 20:26

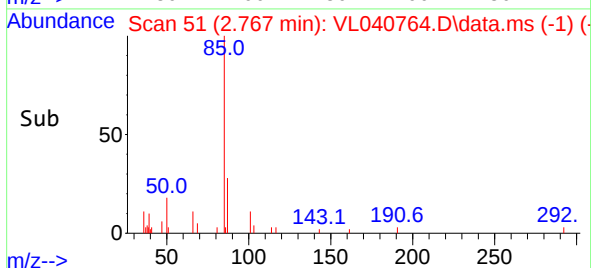
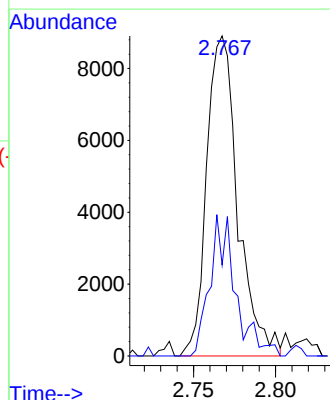
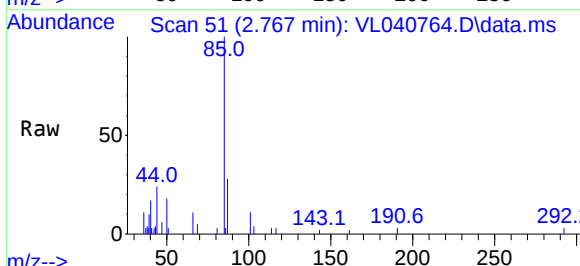
Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1018633
Ion Ratio Lower Upper
49 100
128 51.8 23.9 71.7
130 65.0 30.7 92.1

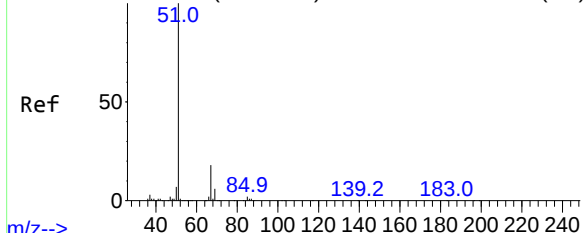


#2
Dichlorodifluoromethane
Concen: 0.065 ppbv
RT: 2.767 min Scan# 51
Delta R.T. 0.010 min
Lab File: VL040764.D
Acq: 11 Oct 2023 20:26

Tgt Ion: 85 Resp: 11746
Ion Ratio Lower Upper
85 100
87 28.4 26.0 39.0



Abundance Scan 31 (2.703 min): VL040754.D\data.ms (-19)

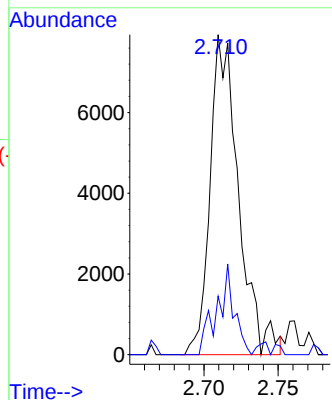
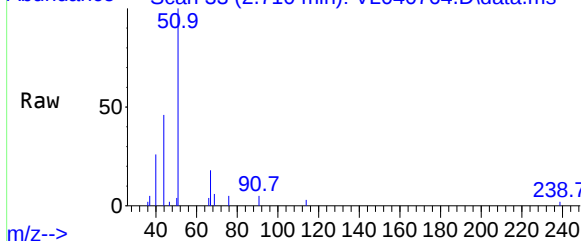


#3
Chlorodifluoromethane
Concen: 0.070 ppbv
RT: 2.710 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL040764.D
Acq: 11 Oct 2023 20:26

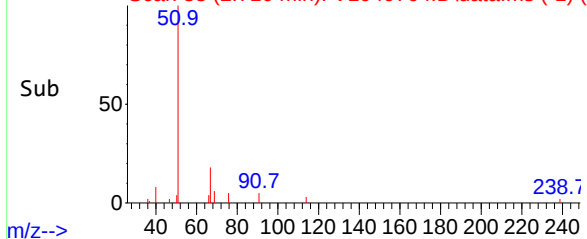
Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 10542
Ion Ratio Lower Upper
51 100
67 19.5 13.8 20.6

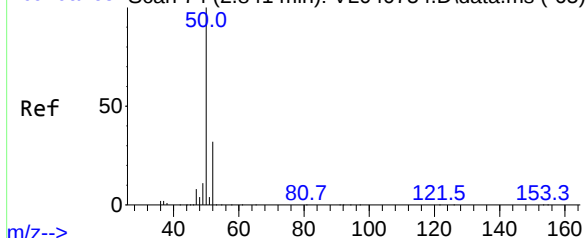
Abundance Scan 33 (2.710 min): VL040764.D\data.ms



Abundance Scan 33 (2.710 min): VL040764.D\data.ms (-1)



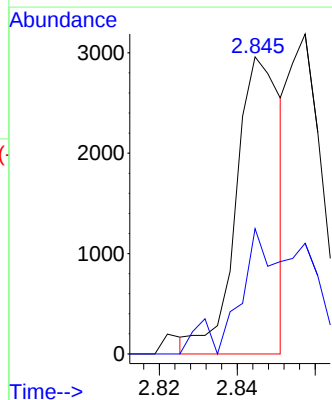
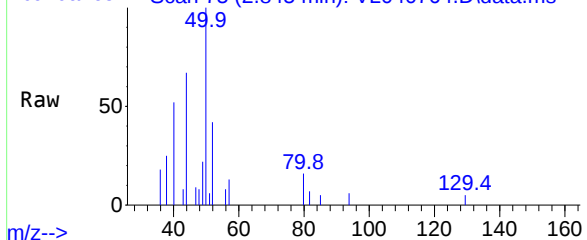
Abundance Scan 74 (2.841 min): VL040754.D\data.ms (-65)



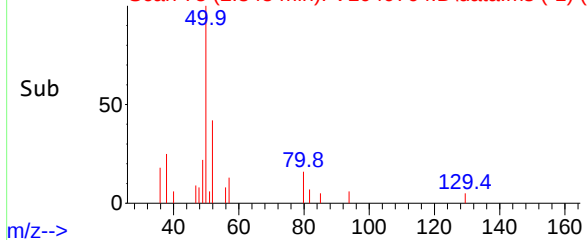
#4
Chloromethane
Concen: 0.040 ppbv
RT: 2.845 min Scan# 75
Delta R.T. 0.003 min
Lab File: VL040764.D
Acq: 11 Oct 2023 20:26

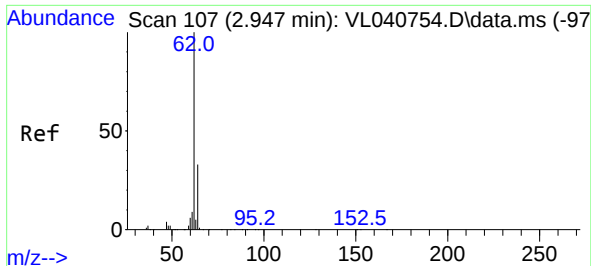
Tgt Ion: 50 Resp: 2343
Ion Ratio Lower Upper
50 100
52 44.7 25.3 37.9#

Abundance Scan 75 (2.845 min): VL040764.D\data.ms



Abundance Scan 75 (2.845 min): VL040764.D\data.ms (-1)

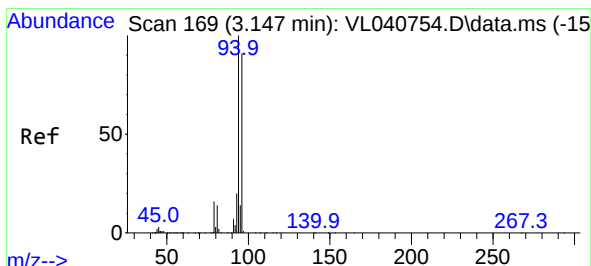
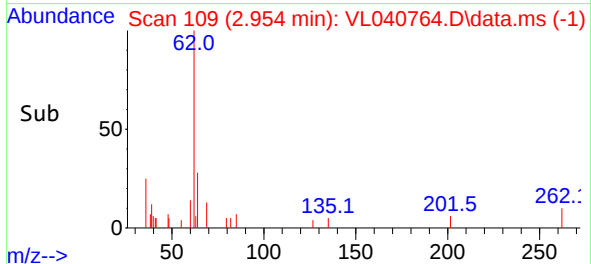
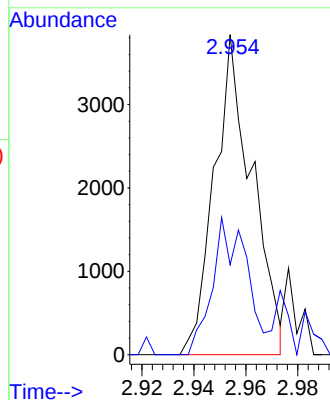
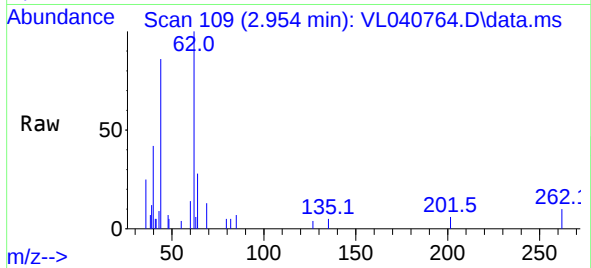




#5
 Vinyl Chloride
 Concen: 0.063 ppbv
 RT: 2.954 min Scan# 110
 Delta R.T. 0.006 min
 Lab File: VL040764.D
 Acq: 11 Oct 2023 20:26

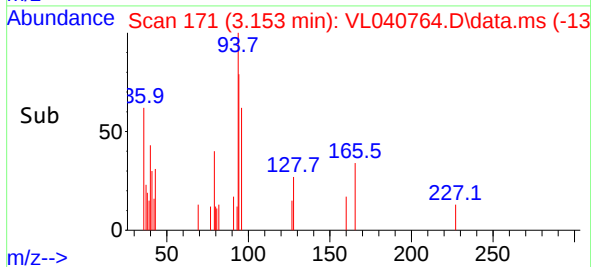
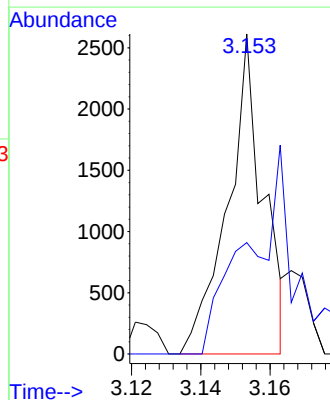
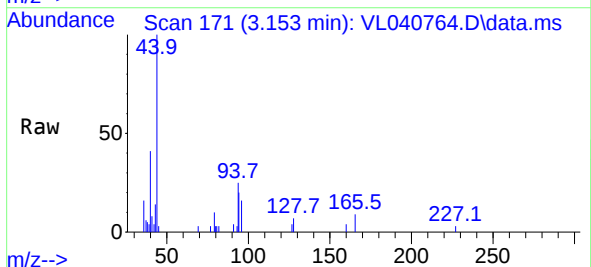
Instrument :
 MSVOA_L
 ClientSampleId :

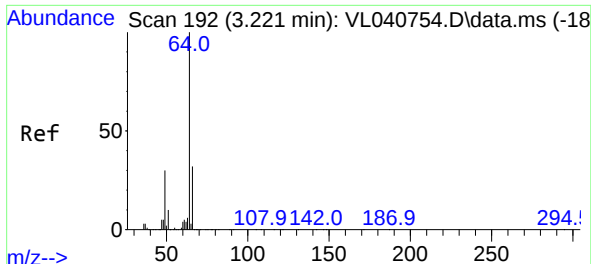
Tgt Ion: 62 Resp: 3862
 Ion Ratio Lower Upper
 62 100
 64 28.1 26.6 39.8



#6
 Bromomethane
 Concen: 0.073 ppbv
 RT: 3.153 min Scan# 171
 Delta R.T. 0.006 min
 Lab File: VL040764.D
 Acq: 11 Oct 2023 20:26

Tgt Ion: 94 Resp: 1841
 Ion Ratio Lower Upper
 94 100
 96 34.8 72.6 109.0#

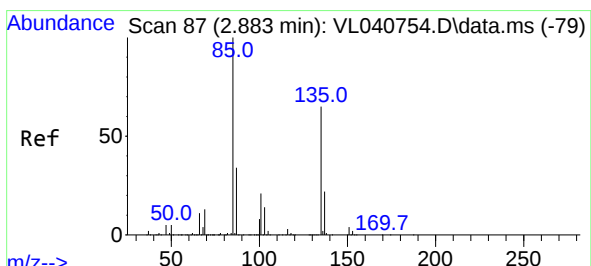
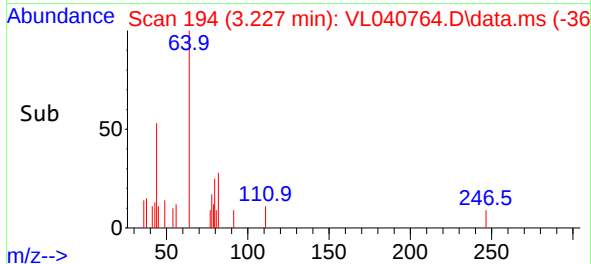
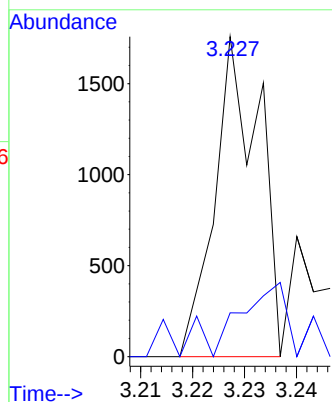
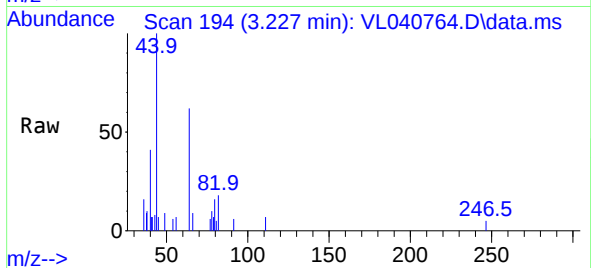




#7
Chloroethane
Concen: 0.052 ppbv
RT: 3.227 min Scan# 19
Delta R.T. 0.006 min
Lab File: VL040764.D
Acq: 11 Oct 2023 20:26

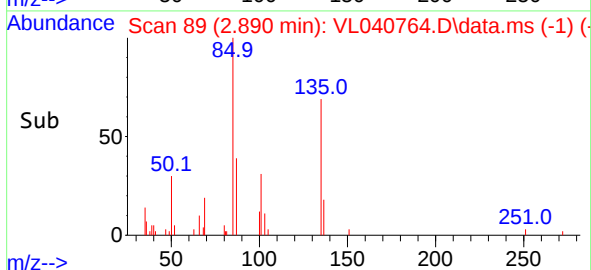
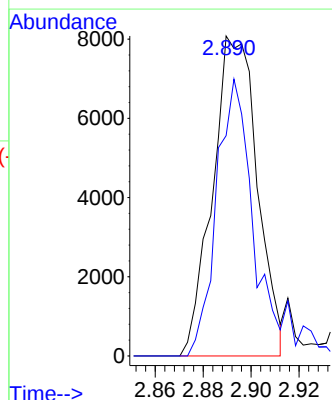
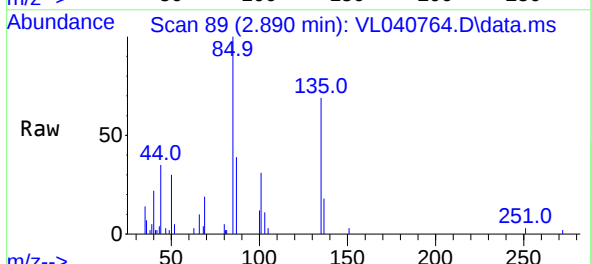
Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 64 Resp: 1043
Ion Ratio Lower Upper
64 100
66 13.7 25.4 38.2#

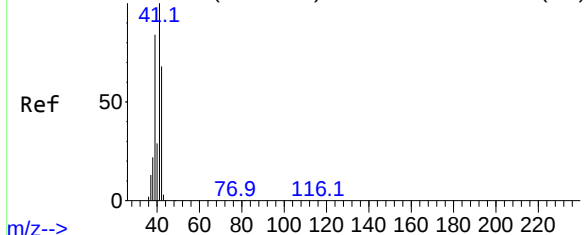


#8
Dichlorotetrafluoroethane
Concen: 0.077 ppbv
RT: 2.890 min Scan# 89
Delta R.T. 0.006 min
Lab File: VL040764.D
Acq: 11 Oct 2023 20:26

Tgt Ion: 85 Resp: 10471
Ion Ratio Lower Upper
85 100
135 78.3 55.4 83.2



Abundance Scan 37 (2.722 min): VL040754.D\data.ms (-27)



#9

Propene

Concen: 0.115 ppbv

RT: 2.732 min Scan# 40

Delta R.T. 0.010 min

Lab File: VL040764.D

Acq: 11 Oct 2023 20:26

Instrument :

MSVOA_L

ClientSampleId :

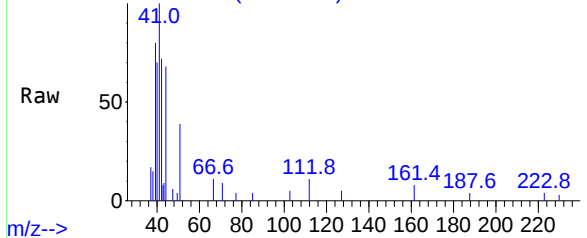
Tgt Ion: 41 Resp: 6407

Ion Ratio Lower Upper

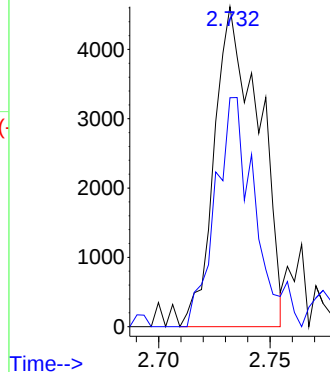
41 100

42 64.6 57.1 85.7

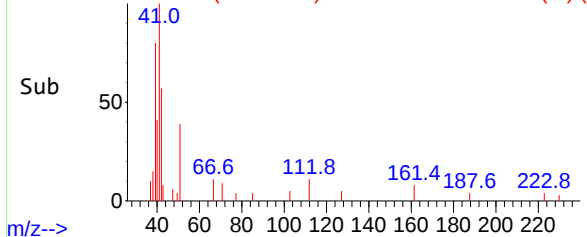
Abundance Scan 40 (2.732 min): VL040764.D\data.ms



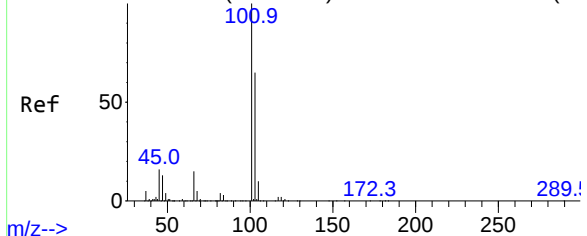
Abundance



Abundance Scan 40 (2.732 min): VL040764.D\data.ms (-1)



Abundance Scan 305 (3.584 min): VL040754.D\data.ms (-29)



#11

Trichlorofluoromethane

Concen: 0.073 ppbv

RT: 3.594 min Scan# 308

Delta R.T. 0.010 min

Lab File: VL040764.D

Acq: 11 Oct 2023 20:26

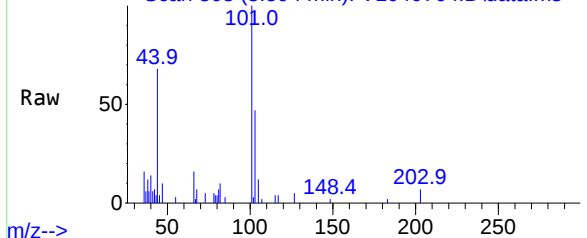
Tgt Ion: 101 Resp: 10047

Ion Ratio Lower Upper

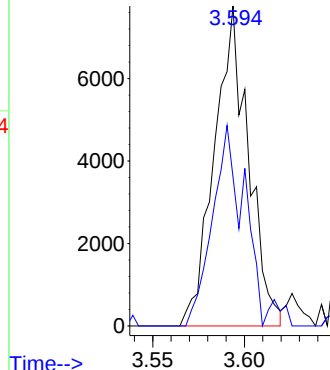
101 100

103 46.6 52.2 78.2#

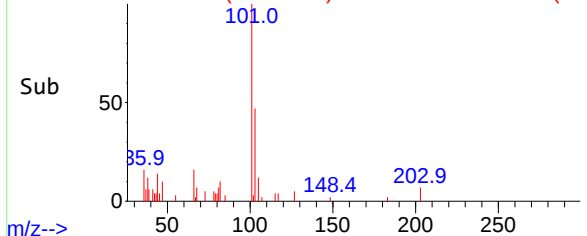
Abundance Scan 308 (3.594 min): VL040764.D\data.ms

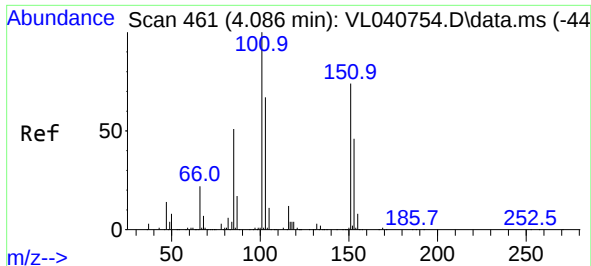


Abundance



Abundance Scan 308 (3.594 min): VL040764.D\data.ms (-14)

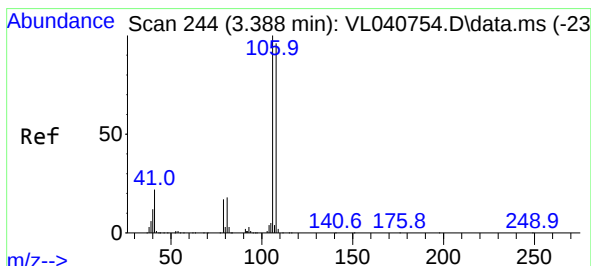
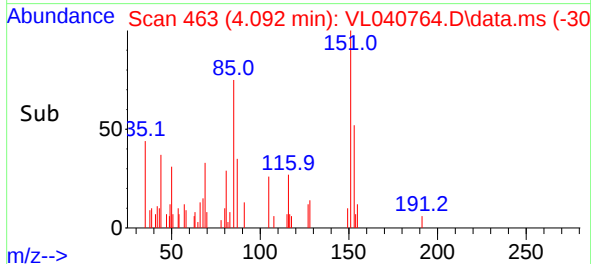
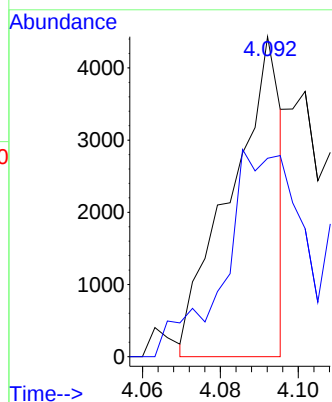
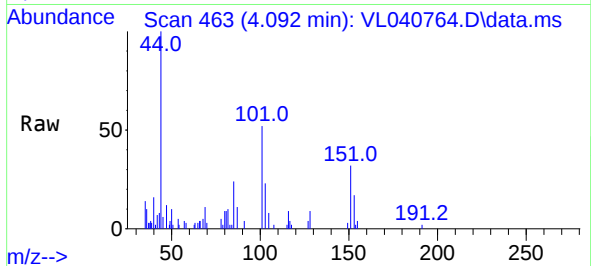




#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.040 ppbv
RT: 4.092 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL040764.D
Acq: 11 Oct 2023 20:26

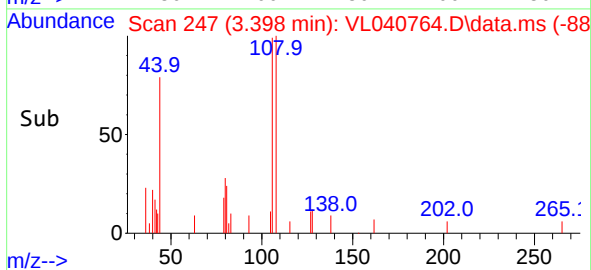
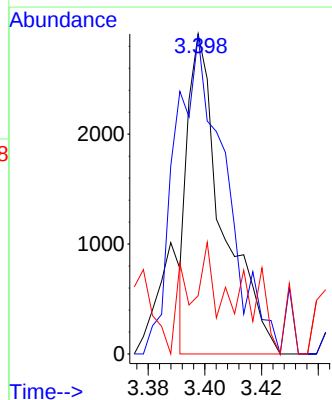
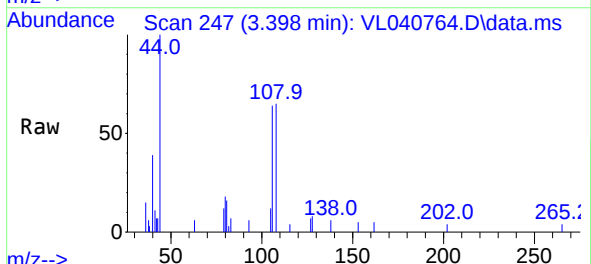
Instrument :
MSVOA_L
ClientSampleId :

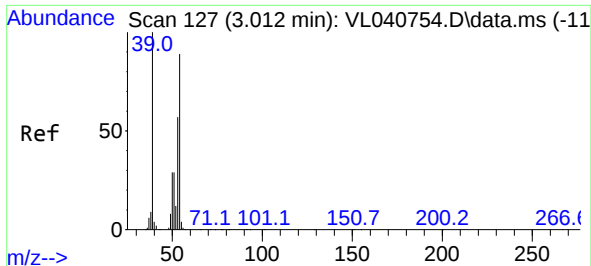
Tgt Ion:101 Resp: 3954
Ion Ratio Lower Upper
101 100
151 130.2 58.1 87.1#



#14
Bromoethene
Concen: 0.059 ppbv
RT: 3.398 min Scan# 247
Delta R.T. 0.010 min
Lab File: VL040764.D
Acq: 11 Oct 2023 20:26

Tgt Ion:108 Resp: 2478
Ion Ratio Lower Upper
108 100
106 151.2 85.2 127.8#
79 65.3 15.7 23.5#

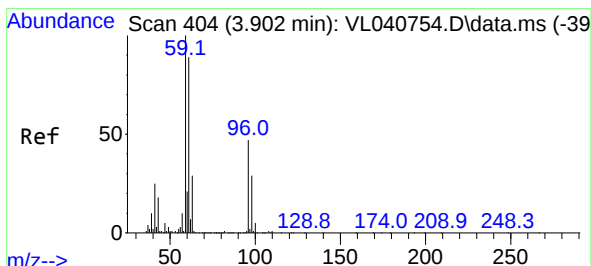
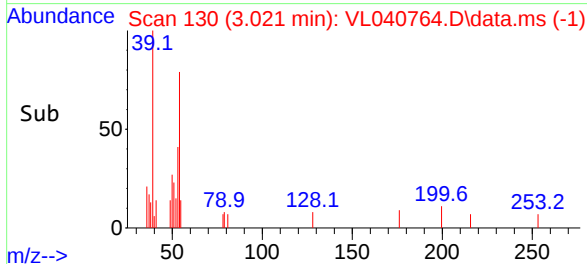
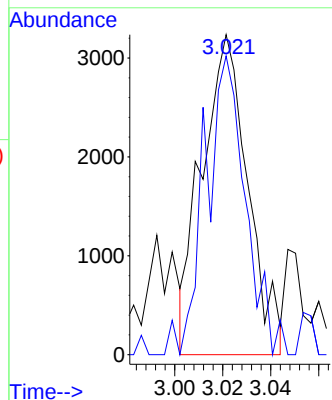
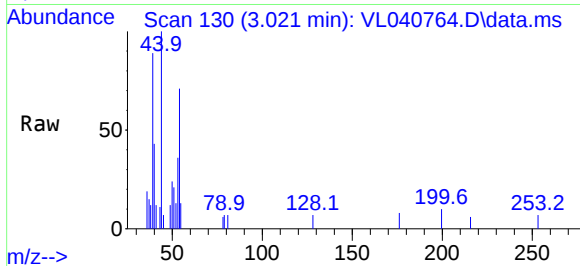




#16
1,3-Butadiene
Concen: 0.078 ppbv
RT: 3.021 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL040764.D
Acq: 11 Oct 2023 20:26

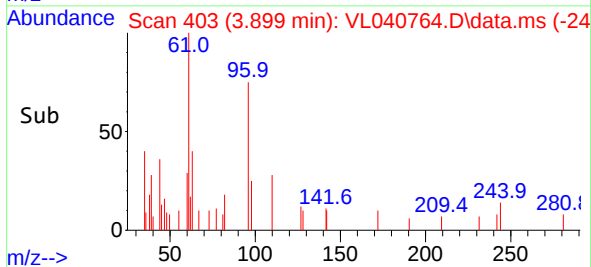
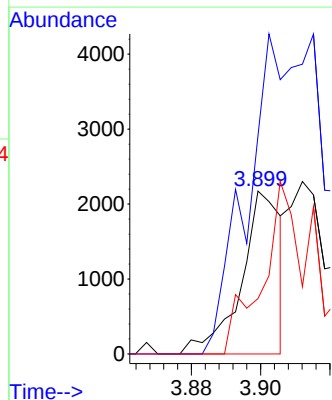
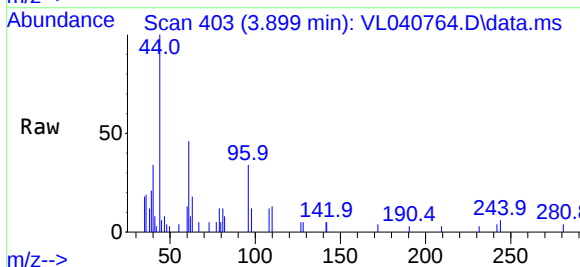
Instrument :
MSVOA_L
ClientSampleId :

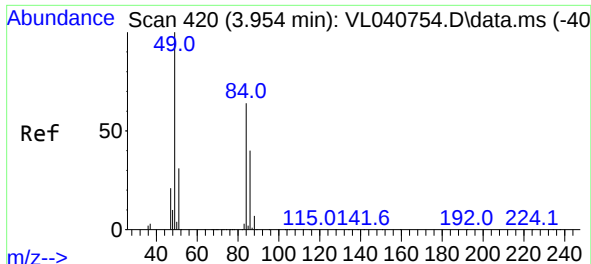
Tgt Ion: 39 Resp: 4304
Ion Ratio Lower Upper
39 100
54 82.5 63.0 94.6



#18
1,1-Dichloroethene
Concen: 0.039 ppbv
RT: 3.899 min Scan# 403
Delta R.T. -0.003 min
Lab File: VL040764.D
Acq: 11 Oct 2023 20:26

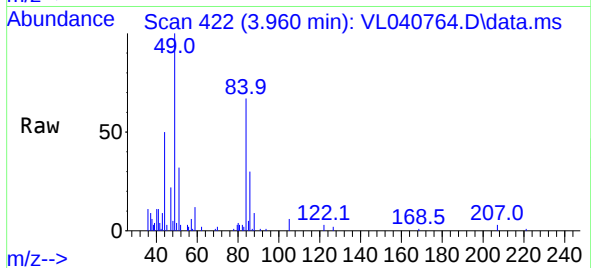
Tgt Ion: 96 Resp: 1722
Ion Ratio Lower Upper
96 100
61 133.9 152.5 228.7#
98 33.9 49.6 74.4#



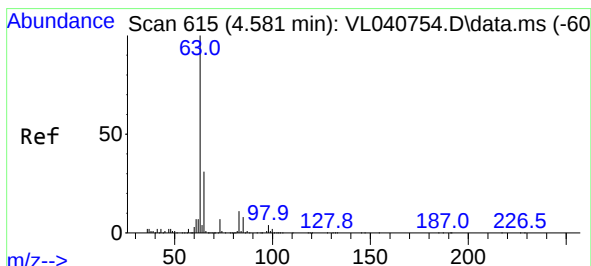
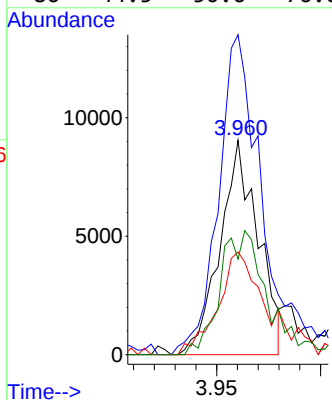
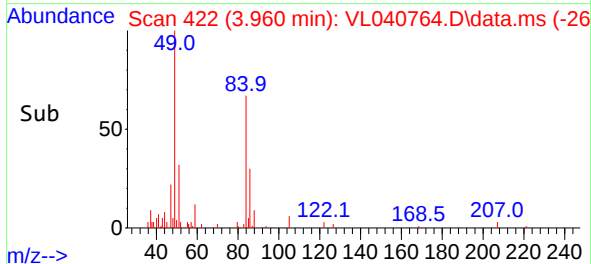


#20
Methylene Chloride
Concen: 0.263 ppbv
RT: 3.960 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL040764.D
Acq: 11 Oct 2023 20:26

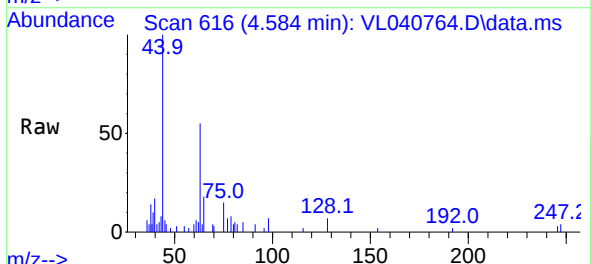
Instrument :
MSVOA_L
ClientSampleId :



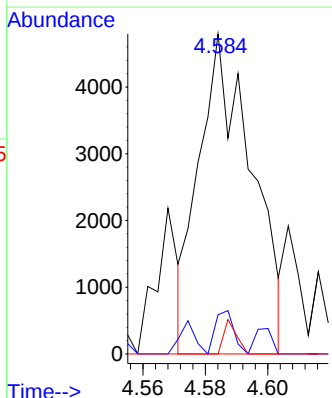
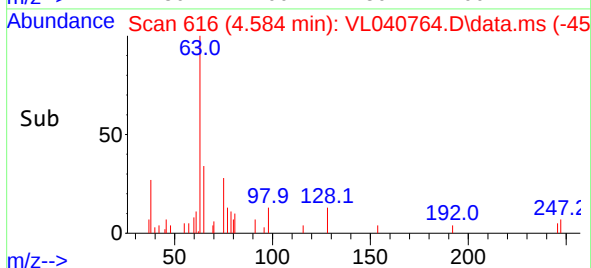
Tgt Ion: 84 Resp: 11552
Ion Ratio Lower Upper
84 100
49 145.4 125.6 188.4
51 47.9 38.9 58.3
86 44.5 50.6 76.0#

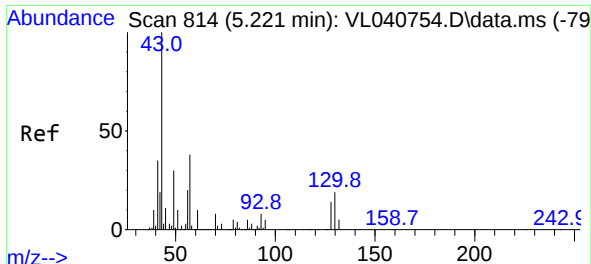


#24
1,1-Dichloroethane
Concen: 0.056 ppbv
RT: 4.584 min Scan# 616
Delta R.T. 0.003 min
Lab File: VL040764.D
Acq: 11 Oct 2023 20:26



Tgt Ion: 63 Resp: 5629
Ion Ratio Lower Upper
63 100
98 16.1 2.0 5.8#
100 0.0 1.3 3.8#



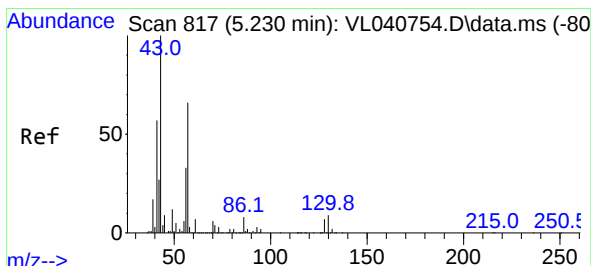
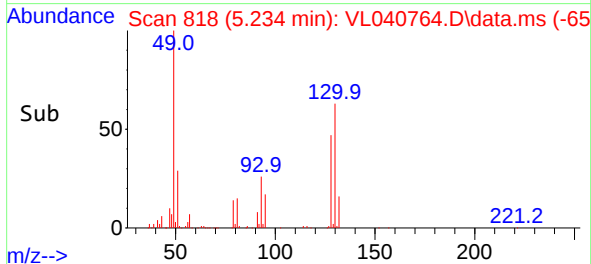
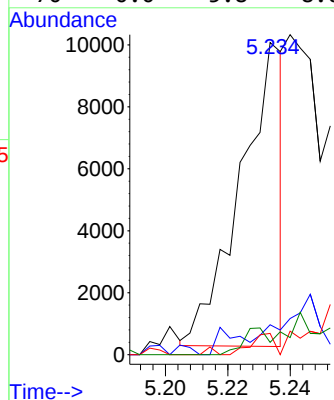
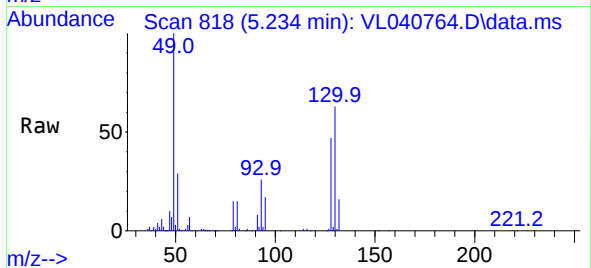


#25
Ethyl Acetate
Concen: 0.040 ppbv
RT: 5.234 min Scan# 814
Delta R.T. 0.013 min
Lab File: VL040764.D
Acq: 11 Oct 2023 20:26

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 9212

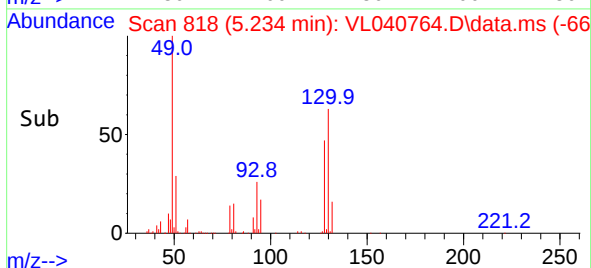
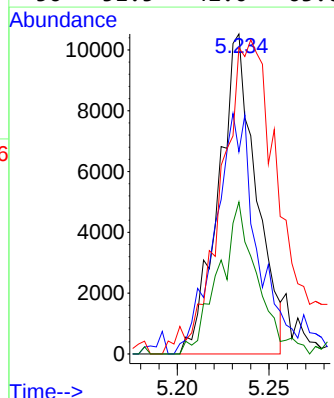
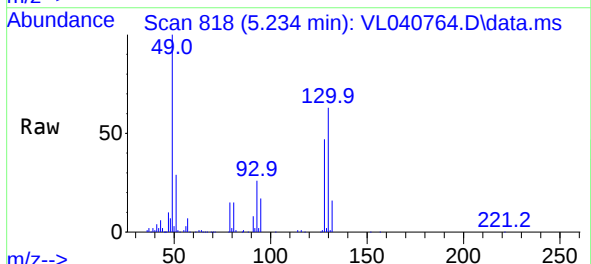
Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.2	12.4#
61	0.0	8.2	12.2#
70	0.0	5.8	8.6#

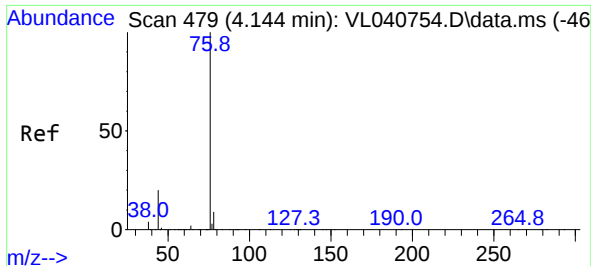


#26
Hexane
Concen: 0.143 ppbv
RT: 5.234 min Scan# 818
Delta R.T. 0.003 min
Lab File: VL040764.D
Acq: 11 Oct 2023 20:26

Tgt Ion: 57 Resp: 15058

Ion	Ratio	Lower	Upper
57	100		
41	94.4	71.4	107.2
43	167.0	182.3	273.5#
56	51.5	42.0	63.0

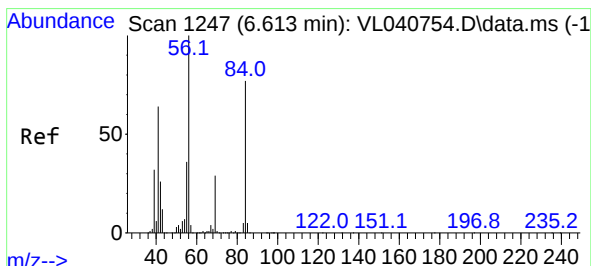
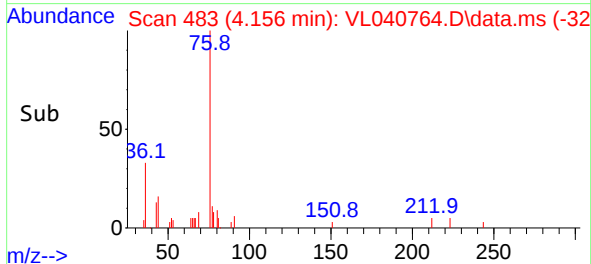
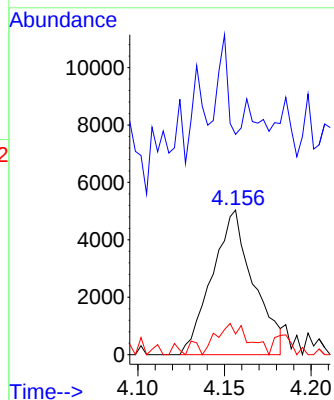
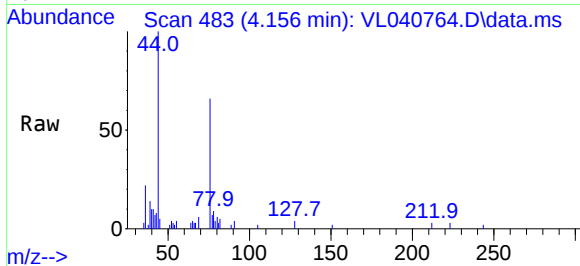




#27
Carbon Disulfide
Concen: 0.072 ppbv
RT: 4.156 min Scan# 41
Delta R.T. 0.013 min
Lab File: VL040764.D
Acq: 11 Oct 2023 20:26

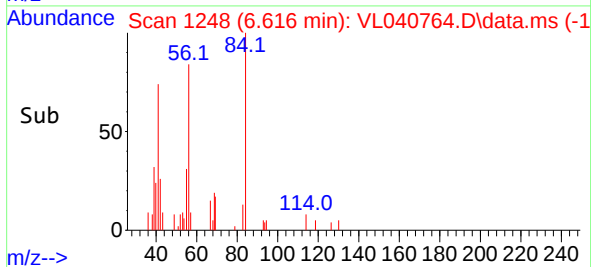
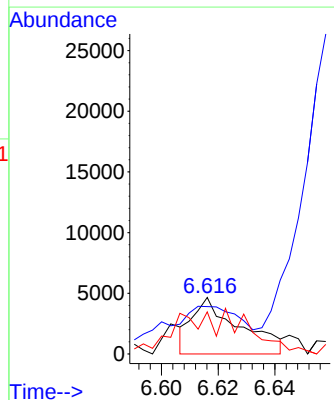
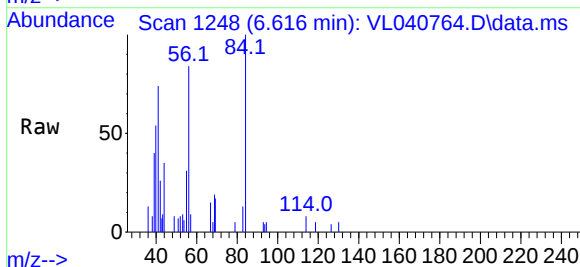
Instrument :
MSVOA_L
ClientSampleId :

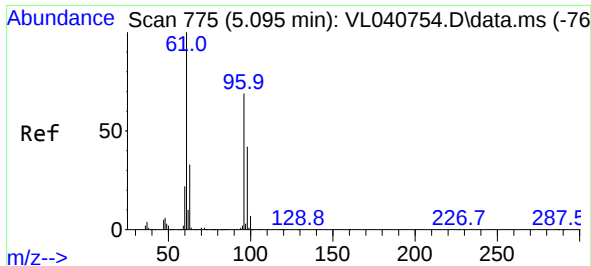
Tgt Ion: 76 Resp: 8373
Ion Ratio Lower Upper
76 100
44 81.1 16.6 25.0#
78 18.3 7.8 11.6#



#30
Cyclohexane
Concen: 0.060 ppbv
RT: 6.616 min Scan# 1248
Delta R.T. 0.003 min
Lab File: VL040764.D
Acq: 11 Oct 2023 20:26

Tgt Ion: 84 Resp: 5390
Ion Ratio Lower Upper
84 100
56 0.0 110.3 165.5#
41 141.0 67.4 101.2#

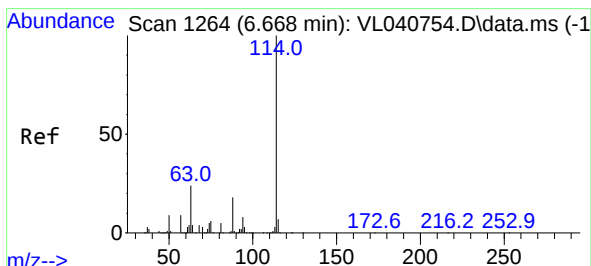
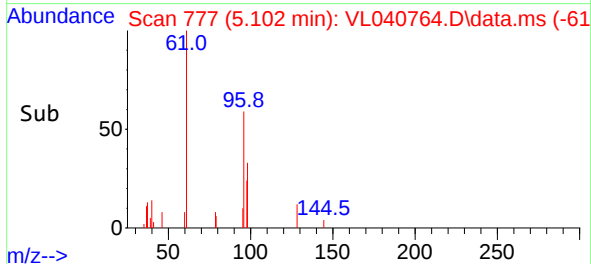
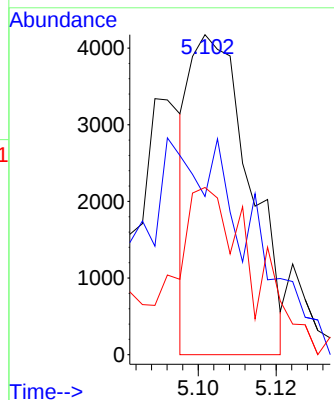
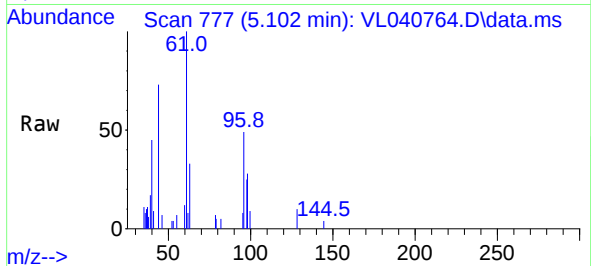




#31
cis-1,2-Dichloroethene
Concen: 0.046 ppbv
RT: 5.102 min Scan# 71
Delta R.T. 0.006 min
Lab File: VL040764.D
Acq: 11 Oct 2023 20:26

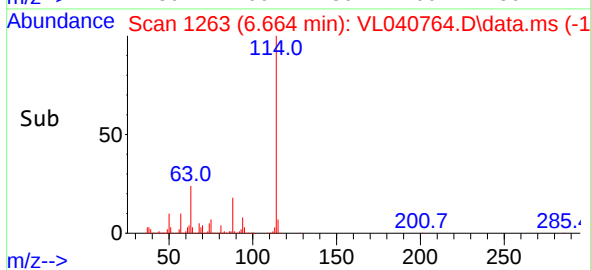
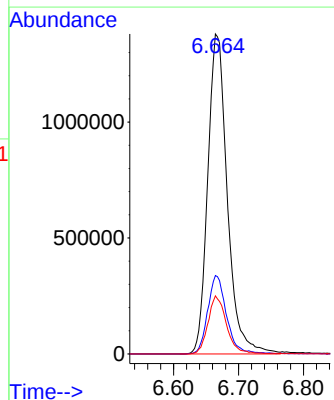
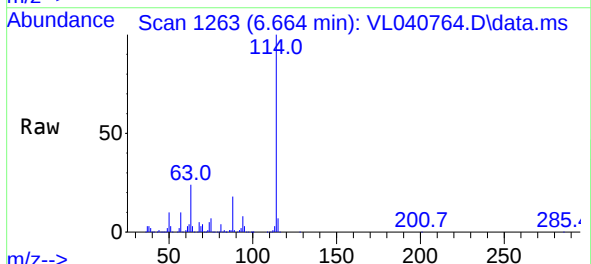
Instrument :
MSVOA_L
ClientSampleId :

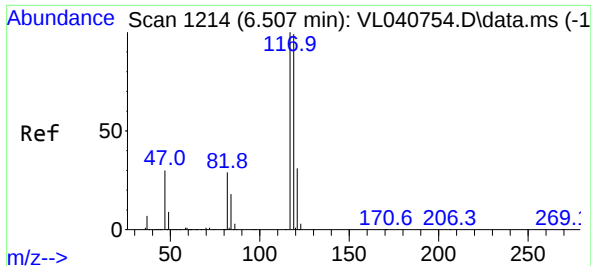
Tgt Ion: 61 Resp: 4433
Ion Ratio Lower Upper
61 100
96 29.6 55.1 82.7#
98 40.9 33.5 50.3



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.664 min Scan# 1263
Delta R.T. -0.003 min
Lab File: VL040764.D
Acq: 11 Oct 2023 20:26

Tgt Ion: 114 Resp: 2889276
Ion Ratio Lower Upper
114 100
63 23.8 19.8 29.6
88 17.4 14.2 21.2

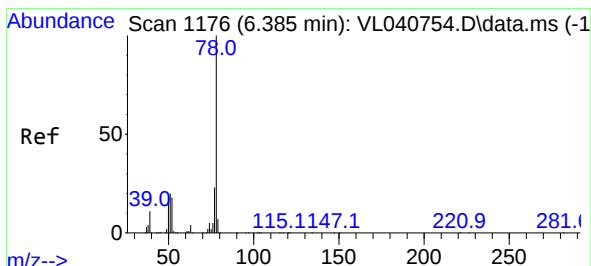
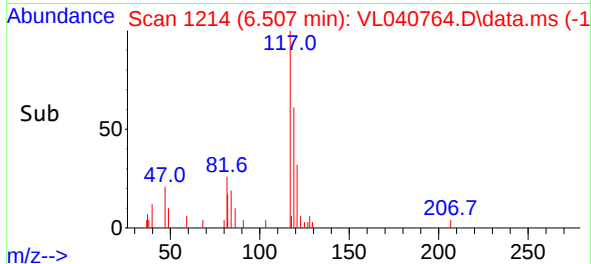
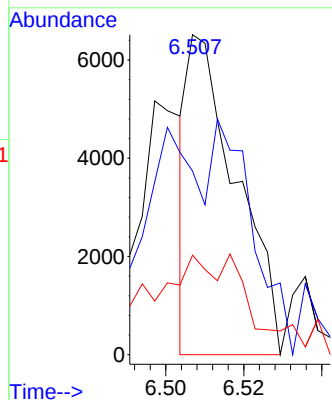
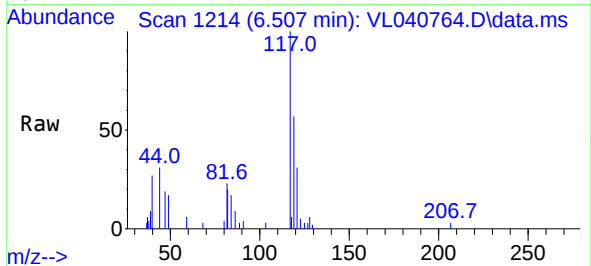




#35
Carbon Tetrachloride
Concen: 0.035 ppbv
RT: 6.507 min Scan# 1176
Delta R.T. 0.000 min
Lab File: VL040764.D
Acq: 11 Oct 2023 20:26

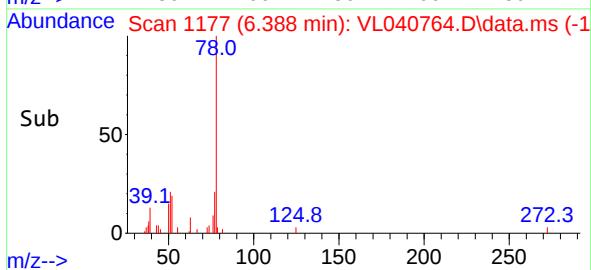
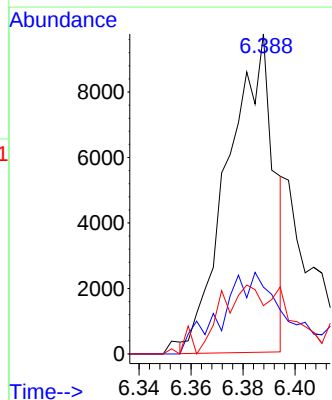
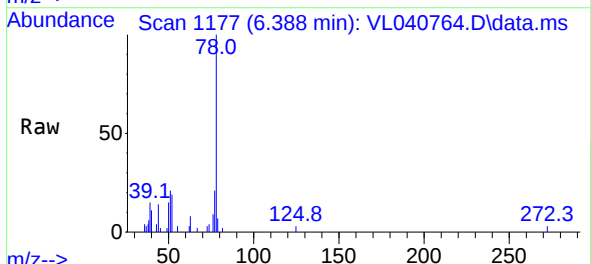
Instrument :
MSVOA_L
ClientSampleId :

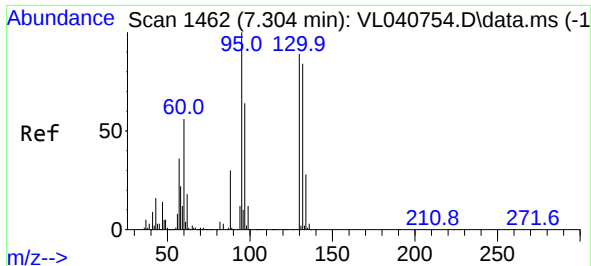
Tgt Ion:117 Resp: 5655
Ion Ratio Lower Upper
117 100
119 33.1 79.4 119.0#
121 22.5 25.0 37.4#



#36
Benzene
Concen: 0.053 ppbv
RT: 6.388 min Scan# 1177
Delta R.T. 0.003 min
Lab File: VL040764.D
Acq: 11 Oct 2023 20:26

Tgt Ion: 78 Resp: 11874
Ion Ratio Lower Upper
78 100
77 21.7 18.4 27.6
50 15.7 15.0 22.4



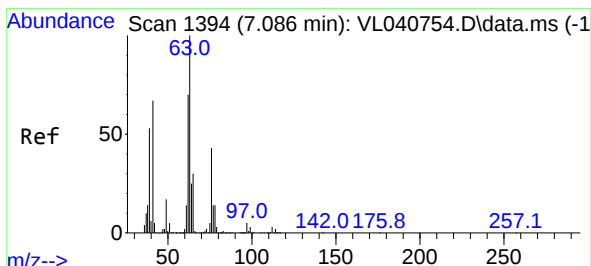
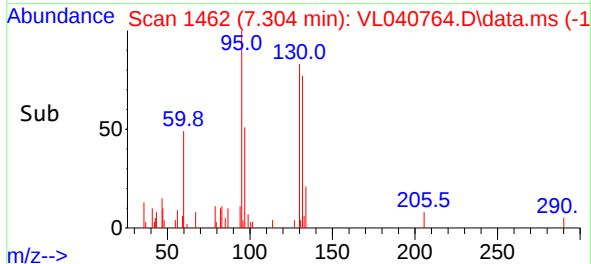
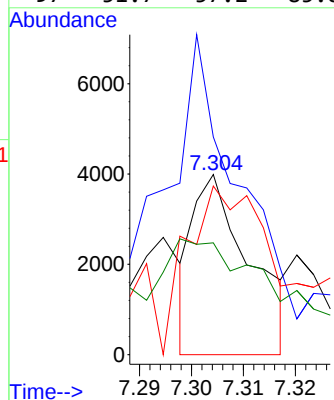
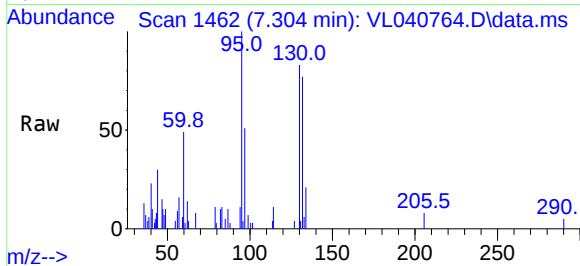


#38
Trichloroethene
Concen: 0.031 ppbv
RT: 7.304 min Scan# 1462
Delta R.T. 0.000 min
Lab File: VL040764.D
Acq: 11 Oct 2023 20:26

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:130 Resp: 3028

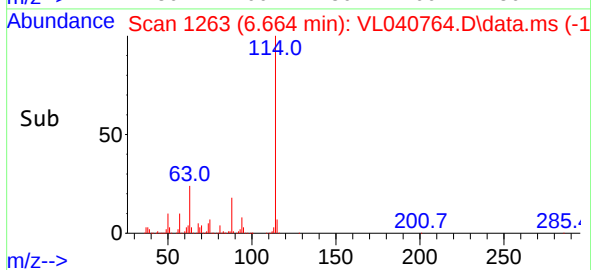
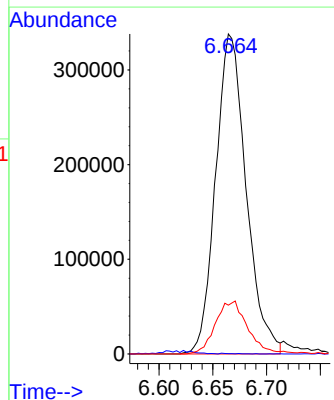
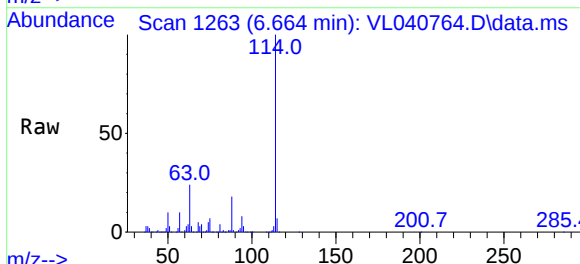
Ion	Ratio	Lower	Upper
130	100		
95	115.3	89.4	134.2
132	88.0	74.8	112.2
97	51.7	57.2	85.8#

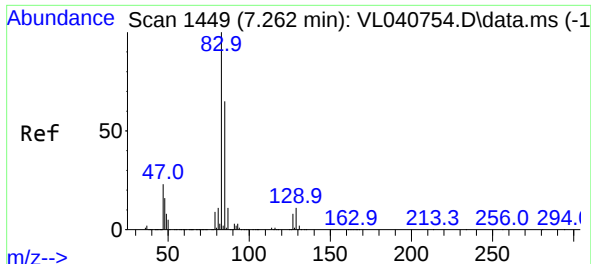


#39
1,2-Dichloropropane
Concen: 7.674 ppbv
RT: 6.664 min Scan# 1263
Delta R.T. -0.421 min
Lab File: VL040764.D
Acq: 11 Oct 2023 20:26

Tgt Ion: 63 Resp: 666309

Ion	Ratio	Lower	Upper
63	100		
41	0.0	53.7	80.5#
62	15.3	55.7	83.5#

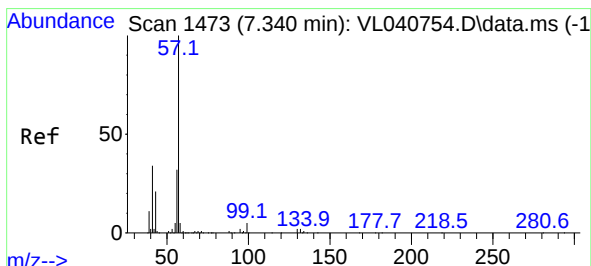
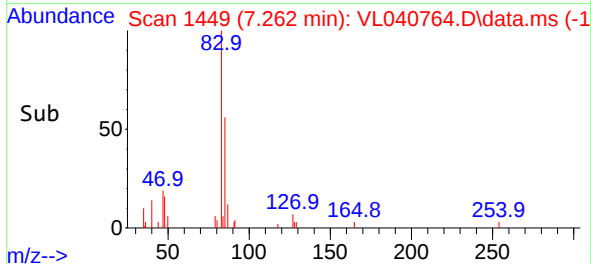
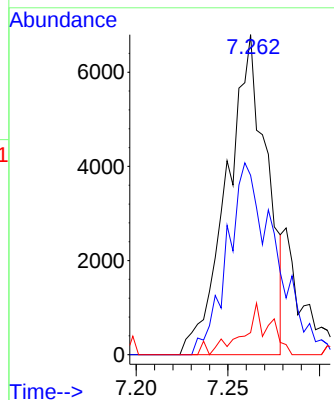
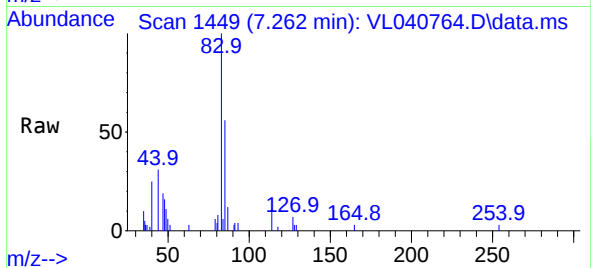




#42
Bromodichloromethane
Concen: 0.061 ppbv
RT: 7.262 min Scan# 1449
Delta R.T. 0.000 min
Lab File: VL040764.D
Acq: 11 Oct 2023 20:26

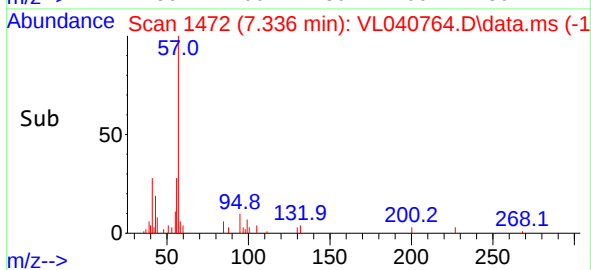
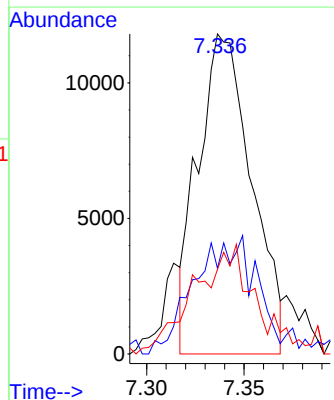
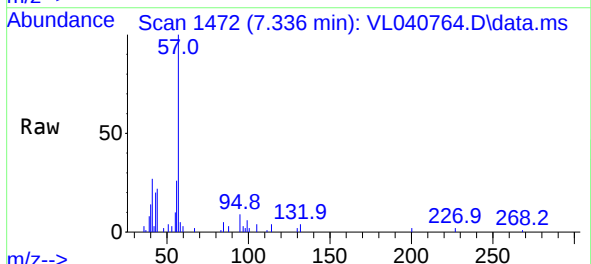
Instrument :
MSVOA_L
ClientSampleId :

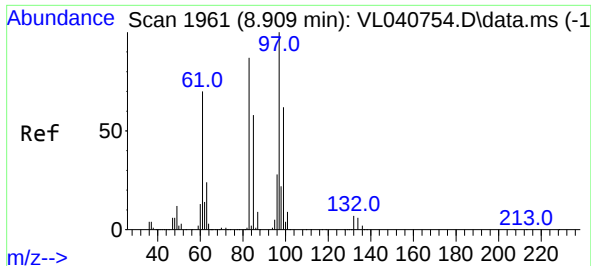
Tgt Ion: 83 Resp: 10329
Ion Ratio Lower Upper
83 100
85 56.0 52.1 78.1
127 6.9 6.7 10.1



#44
2,2,4-Trimethylpentane
Concen: 0.060 ppbv
RT: 7.336 min Scan# 1472
Delta R.T. -0.003 min
Lab File: VL040764.D
Acq: 11 Oct 2023 20:26

Tgt Ion: 57 Resp: 22571
Ion Ratio Lower Upper
57 100
41 45.2 27.4 41.0#
56 40.5 25.0 37.6#





#47

1,1,2-Trichloroethane

Concen: 0.032 ppbv

RT: 8.909 min Scan# 1961

Delta R.T. 0.000 min

Lab File: VL040764.D

Acq: 11 Oct 2023 20:26

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 97 Resp: 2964

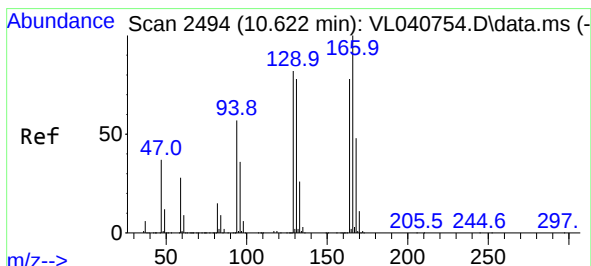
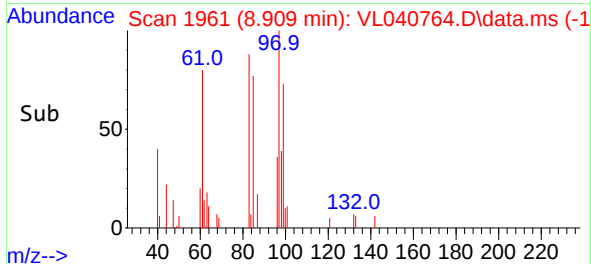
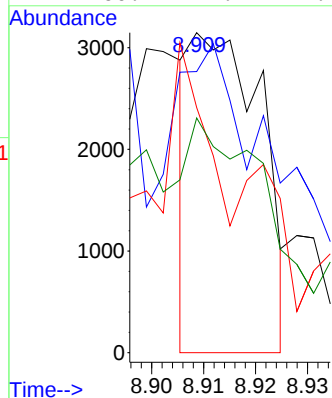
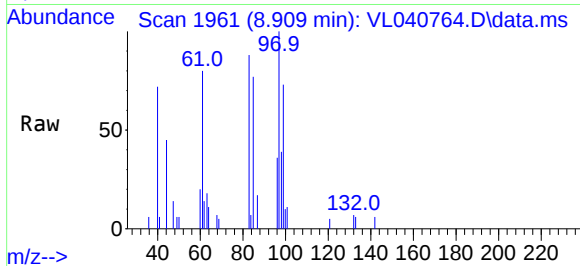
Ion Ratio Lower Upper

97 100

83 61.4 69.5 104.3#

85 42.0 46.6 69.8#

99 60.7 49.4 74.0



#52

Tetrachloroethene

Concen: 0.037 ppbv

RT: 10.616 min Scan# 2492

Delta R.T. -0.006 min

Lab File: VL040764.D

Acq: 11 Oct 2023 20:26

Tgt Ion: 164 Resp: 3312

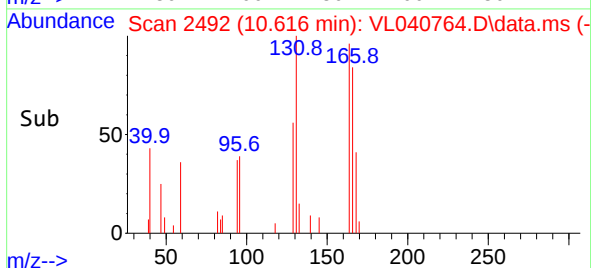
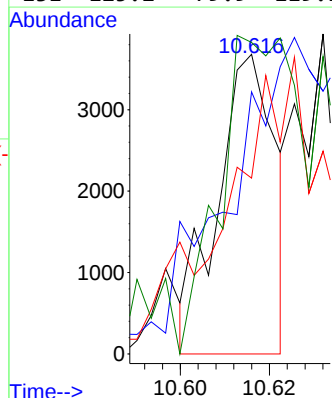
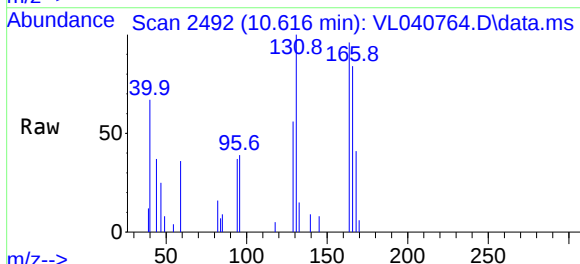
Ion Ratio Lower Upper

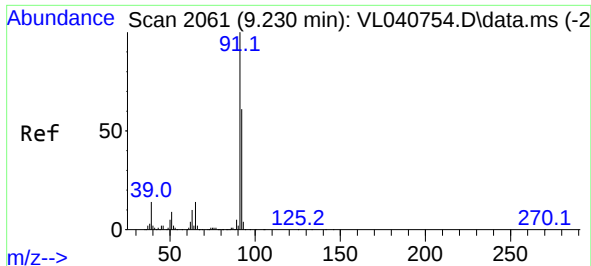
164 100

166 52.1 102.4 153.6#

129 25.7 84.2 126.4#

131 125.2 79.9 119.9#

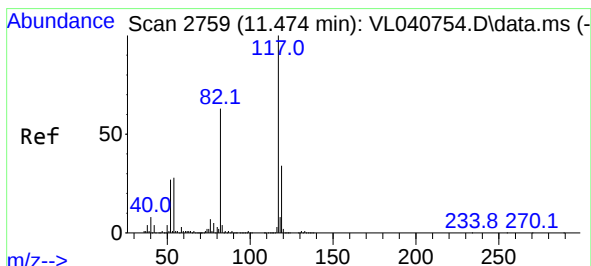
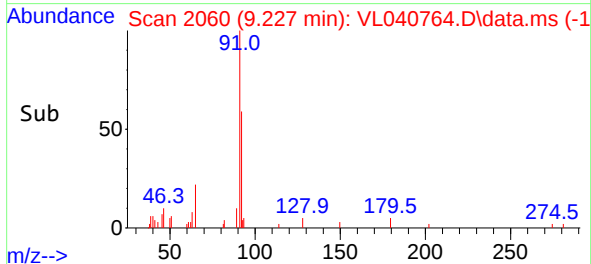
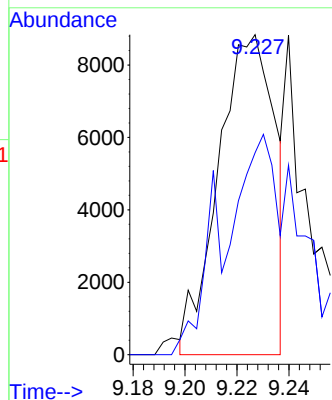
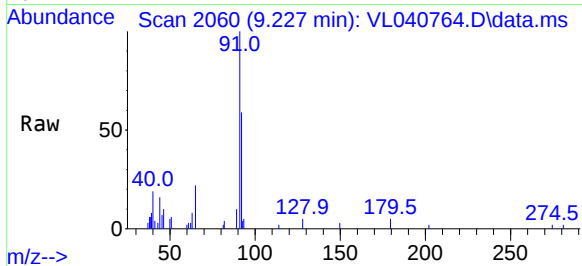




#53
Toluene
Concen: 0.050 ppbv
RT: 9.227 min Scan# 2060
Delta R.T. -0.003 min
Lab File: VL040764.D
Acq: 11 Oct 2023 20:26

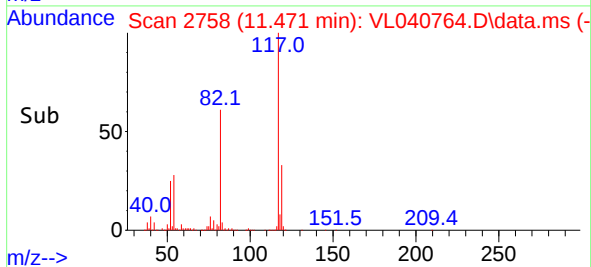
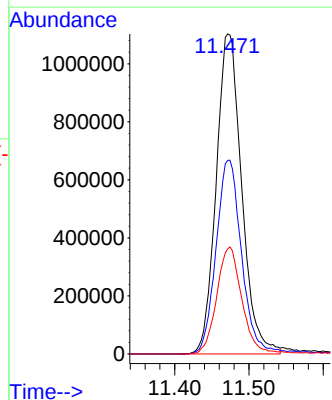
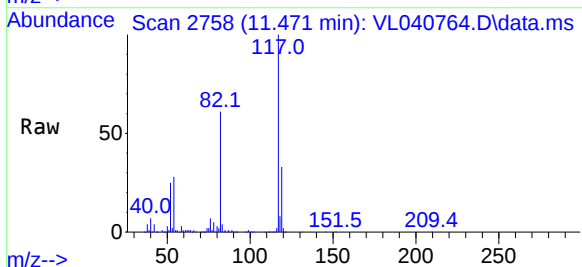
Instrument :
MSVOA_L
ClientSampleId :

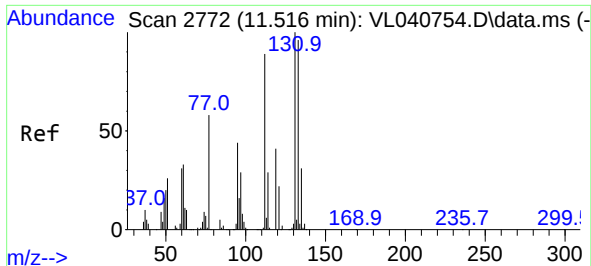
Tgt Ion: 91 Resp: 13288
Ion Ratio Lower Upper
91 100
92 97.8 50.2 75.2#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.471 min Scan# 2758
Delta R.T. -0.003 min
Lab File: VL040764.D
Acq: 11 Oct 2023 20:26

Tgt Ion: 117 Resp: 2632823
Ion Ratio Lower Upper
117 100
82 61.7 46.6 70.0
119 33.7 26.0 39.0

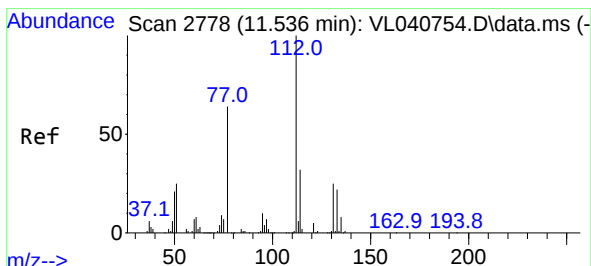
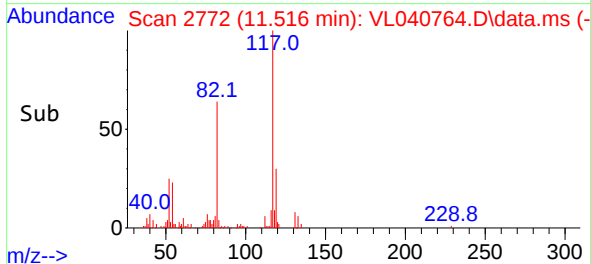
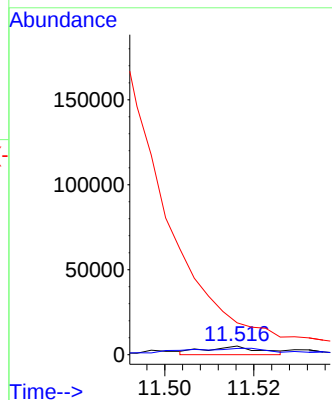
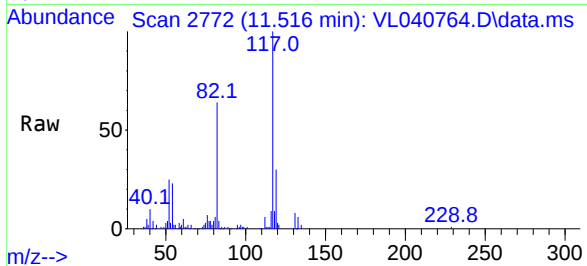




#56
1,1,1,2-Tetrachloroethane
Concen: 0.039 ppbv
RT: 11.516 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL040764.D
Acq: 11 Oct 2023 20:26

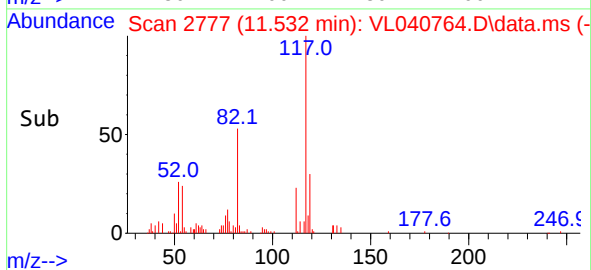
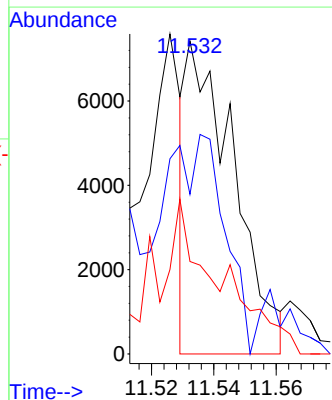
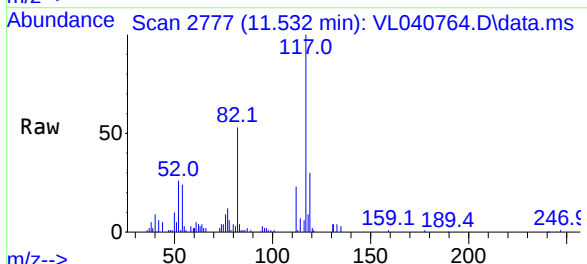
Instrument :
MSVOA_L
ClientSampleId :

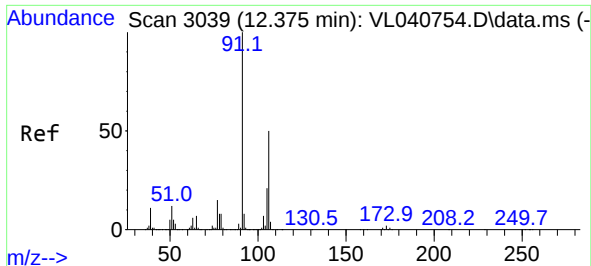
Tgt Ion:131 Resp: 4222
Ion Ratio Lower Upper
131 100
133 180.4 75.0 112.6#
119 0.0 45.4 68.0#



#57
Chlorobenzene
Concen: 0.041 ppbv
RT: 11.532 min Scan# 2777
Delta R.T. -0.003 min
Lab File: VL040764.D
Acq: 11 Oct 2023 20:26

Tgt Ion:112 Resp: 7826
Ion Ratio Lower Upper
112 100
77 47.8 51.9 77.9#
114 23.5 28.6 35.0#





#59

m/p-Xylene

Concen: 0.035 ppbv

RT: 12.368 min Scan# 3037

Delta R.T. -0.006 min

Lab File: VL040764.D

Acq: 11 Oct 2023 20:26

Instrument :

MSVOA_L

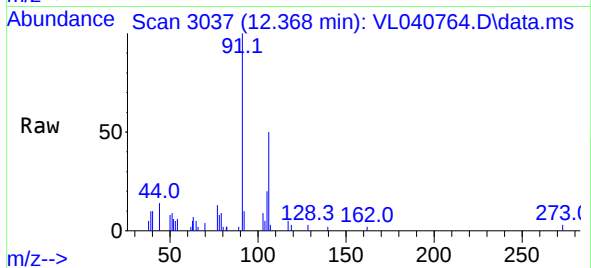
ClientSampleId :

Tgt Ion: 91 Resp: 9508

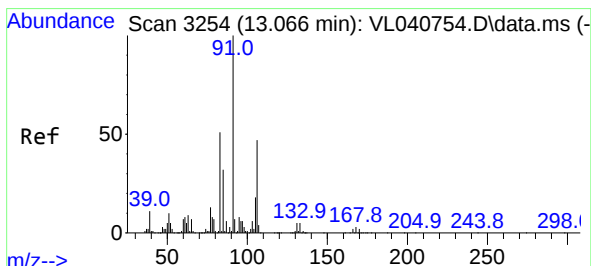
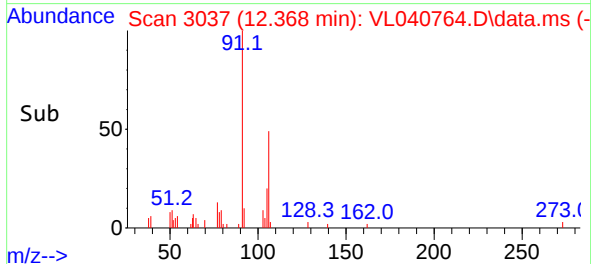
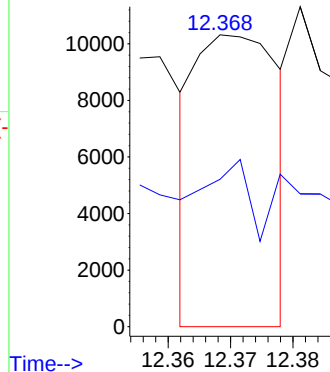
Ion Ratio Lower Upper

91 100

106 0.0 37.7 56.5#



Abundance



#60

o-Xylene

Concen: 0.063 ppbv

RT: 13.063 min Scan# 3253

Delta R.T. -0.003 min

Lab File: VL040764.D

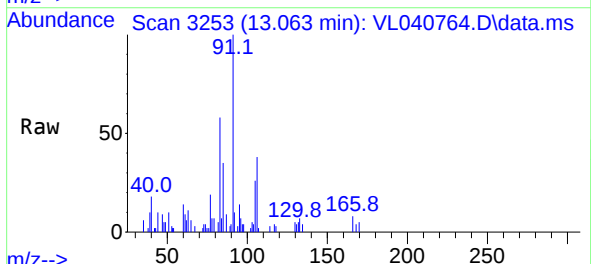
Acq: 11 Oct 2023 20:26

Tgt Ion: 91 Resp: 16370

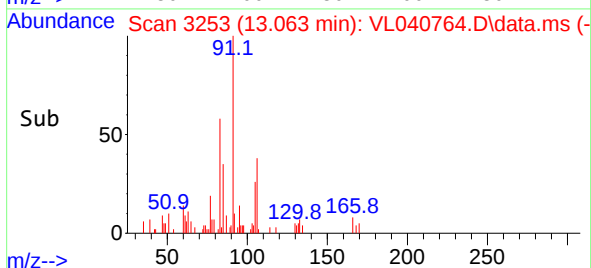
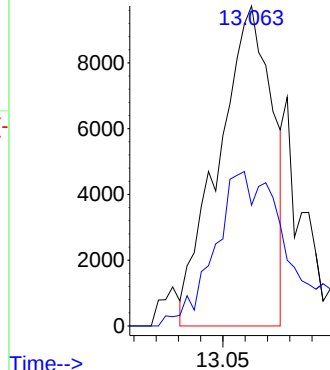
Ion Ratio Lower Upper

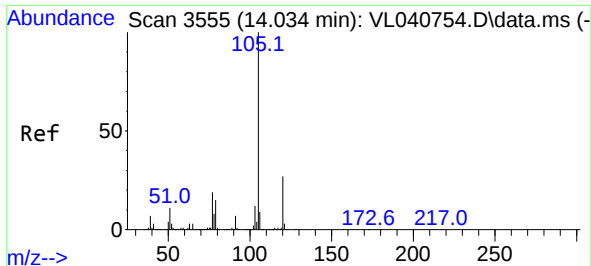
91 100

106 67.1 23.5 70.5



Abundance

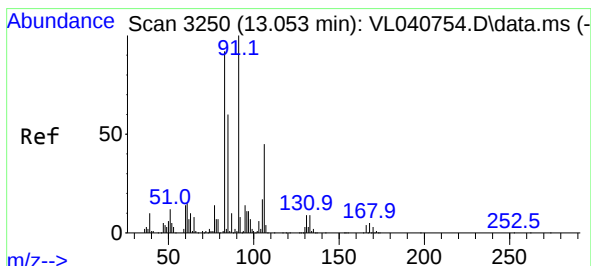
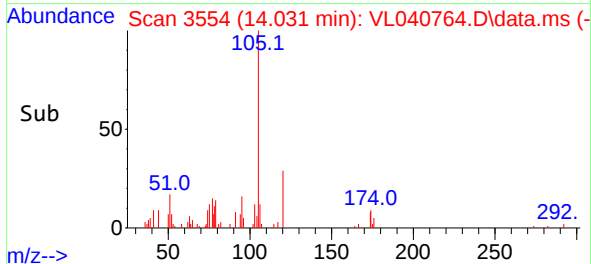
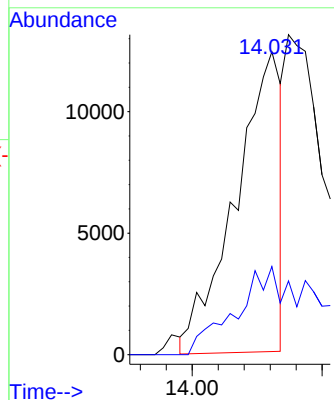
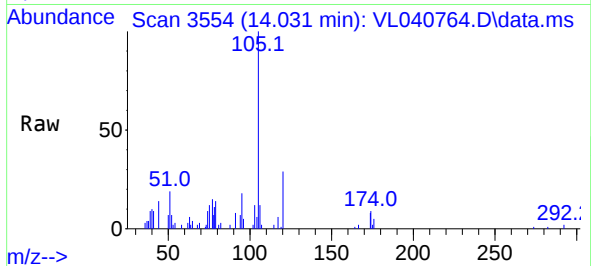




#62
Isopropylbenzene
Concen: 0.038 ppbv
RT: 14.031 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL040764.D
Acq: 11 Oct 2023 20:26

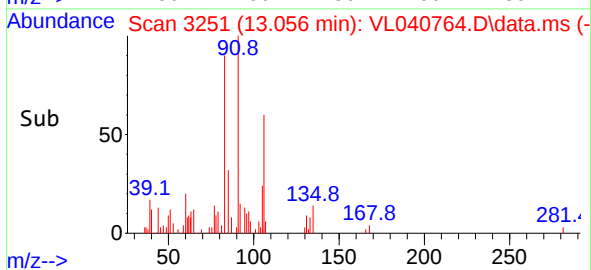
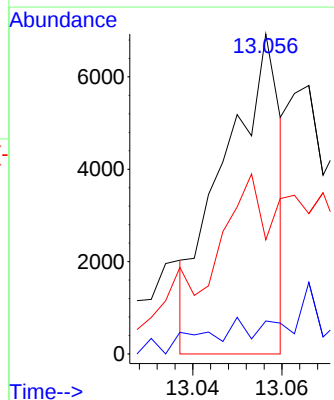
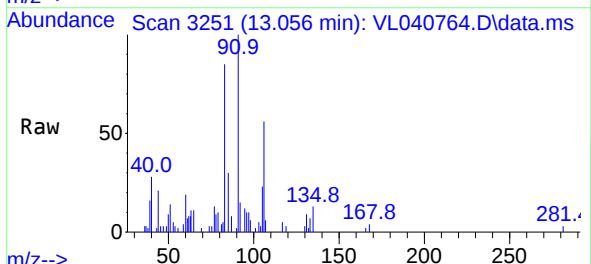
Instrument :
MSVOA_L
ClientSampleId :

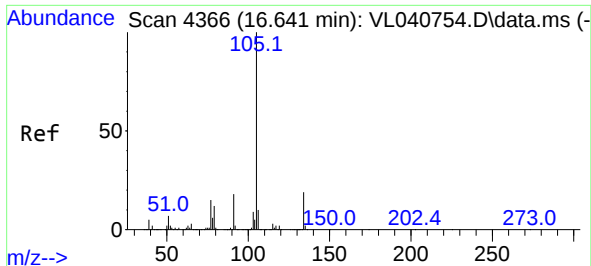
Tgt Ion:105 Resp: 15121
Ion Ratio Lower Upper
105 100
120 52.7 21.5 32.3#



#63
1,1,2,2-Tetrachloroethane
Concen: 0.031 ppbv
RT: 13.056 min Scan# 3251
Delta R.T. 0.003 min
Lab File: VL040764.D
Acq: 11 Oct 2023 20:26

Tgt Ion: 83 Resp: 6103
Ion Ratio Lower Upper
83 100
131 0.0 4.9 14.6#
85 169.2 32.9 98.7#

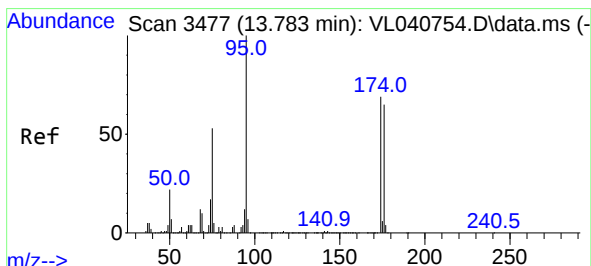
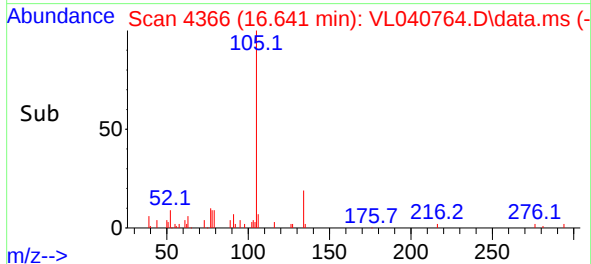
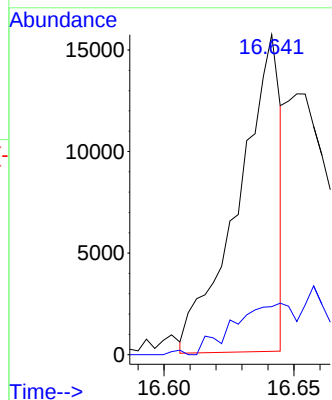
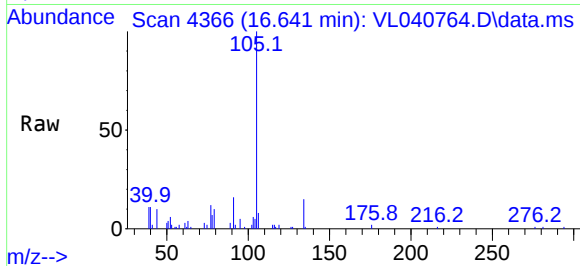




#67
 sec-Butylbenzene
 Concen: 0.035 ppbv
 RT: 16.641 min Scan# 4366
 Delta R.T. 0.000 min
 Lab File: VL040764.D
 Acq: 11 Oct 2023 20:26

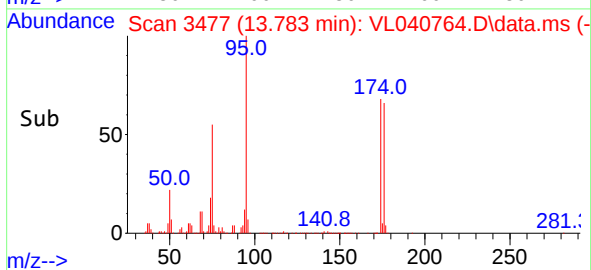
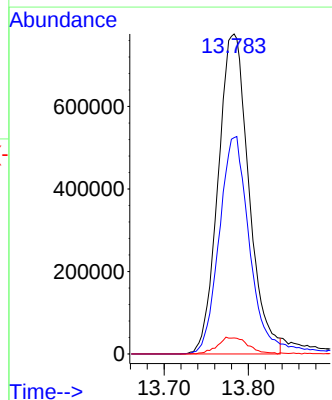
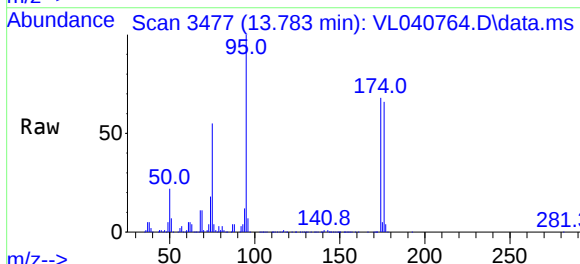
Instrument :
 MSVOA_L
 ClientSampleId :

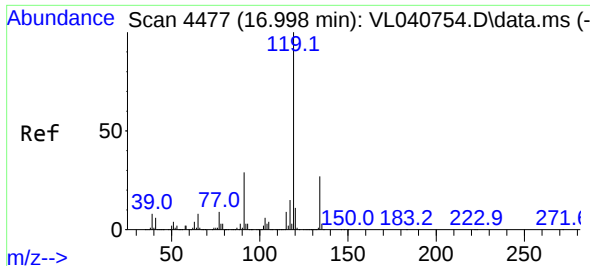
Tgt Ion:105 Resp: 17522
 Ion Ratio Lower Upper
 105 100
 134 0.0 15.4 23.2#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.139 ppbv
 RT: 13.783 min Scan# 3477
 Delta R.T. 0.000 min
 Lab File: VL040764.D
 Acq: 11 Oct 2023 20:26

Tgt Ion: 95 Resp: 1964258
 Ion Ratio Lower Upper
 95 100
 174 70.0 54.7 82.1
 175 5.4 4.2 6.4

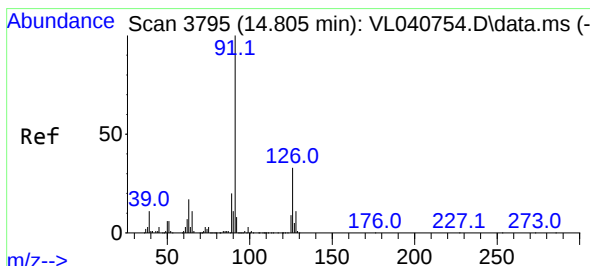
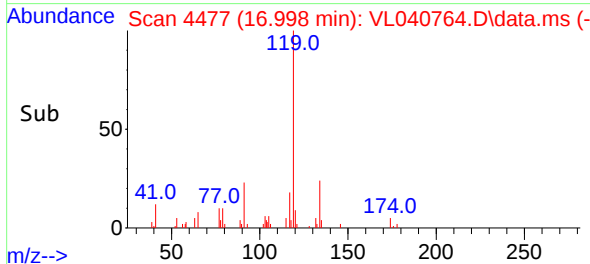
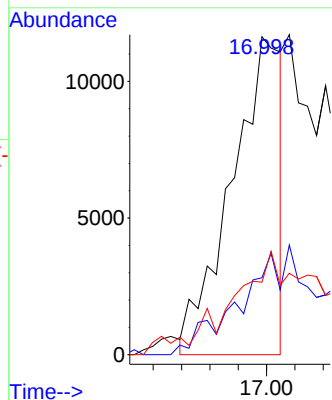
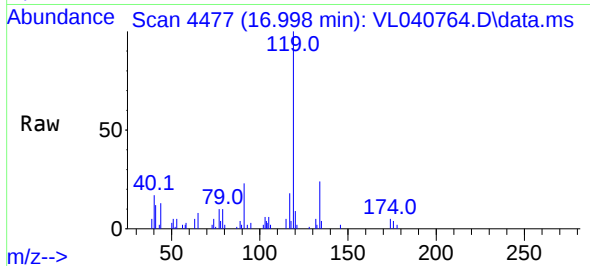




#69
p-Isopropyltoluene
Concen: 0.034 ppbv
RT: 16.998 min Scan# 4477
Delta R.T. 0.000 min
Lab File: VL040764.D
Acq: 11 Oct 2023 20:26

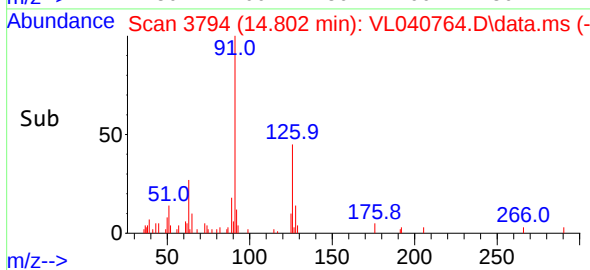
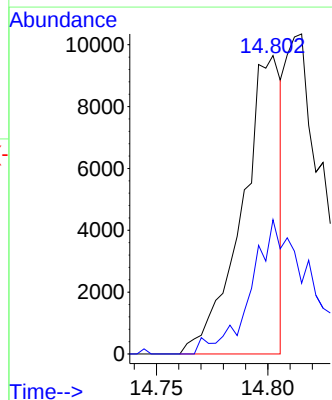
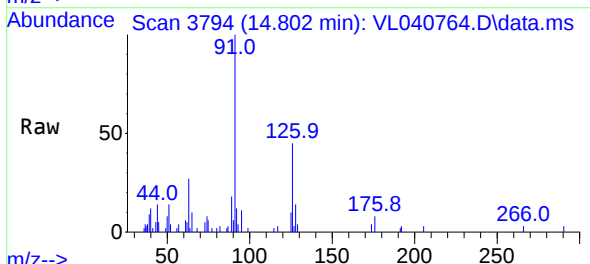
Instrument :
MSVOA_L
ClientSampleId :

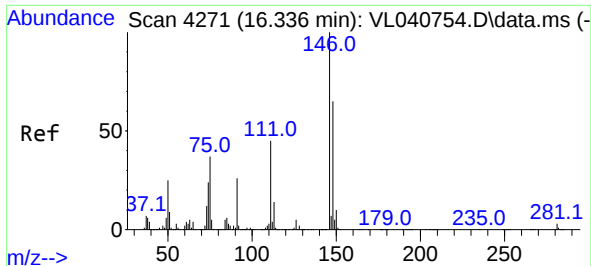
Tgt Ion:119 Resp: 14159
Ion Ratio Lower Upper
119 100
134 0.0 21.0 31.4#
91 75.3 22.8 34.2#



#71
2-Chlorotoluene
Concen: 0.039 ppbv
RT: 14.802 min Scan# 3794
Delta R.T. -0.003 min
Lab File: VL040764.D
Acq: 11 Oct 2023 20:26

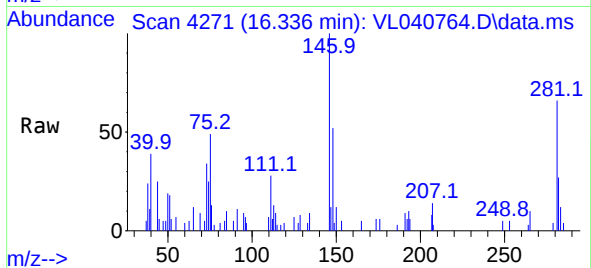
Tgt Ion: 91 Resp: 11751
Ion Ratio Lower Upper
91 100
126 72.6 13.3 53.1#



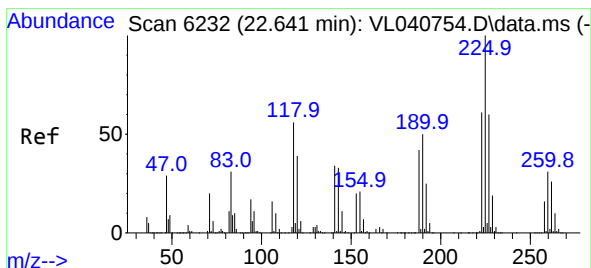
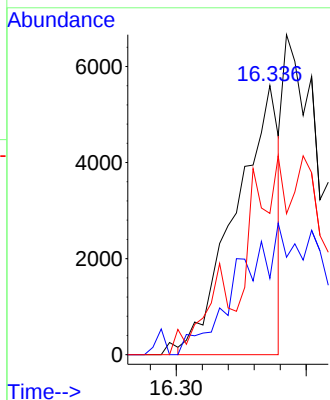
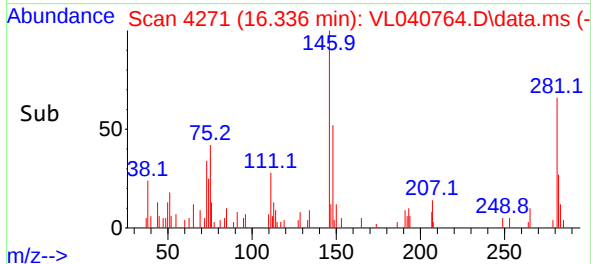


#75
1,3-Dichlorobenzene
Concen: 0.036 ppbv
RT: 16.336 min Scan# 4271
Delta R.T. 0.000 min
Lab File: VL040764.D
Acq: 11 Oct 2023 20:26

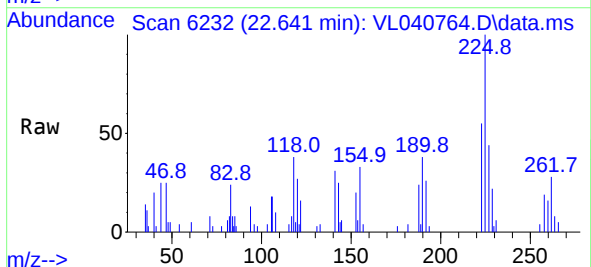
Instrument :
MSVOA_L
ClientSampleId :



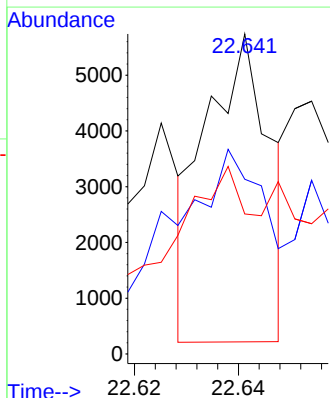
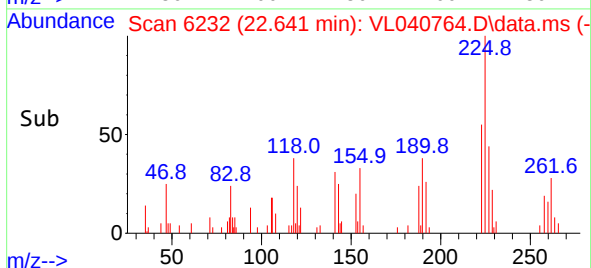
Tgt Ion:146 Resp: 6491
Ion Ratio Lower Upper
146 100
111 0.0 22.6 67.7#
148 0.0 32.4 97.0#

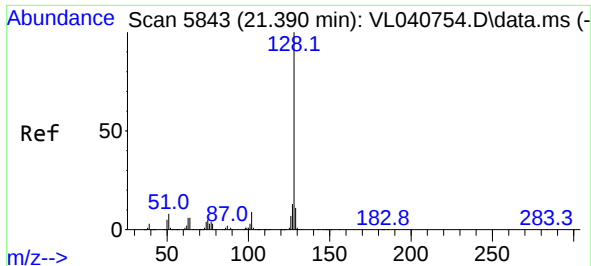


#78
Hexachloro-1,3-Butadiene
Concen: 0.037 ppbv
RT: 22.641 min Scan# 6232
Delta R.T. 0.000 min
Lab File: VL040764.D
Acq: 11 Oct 2023 20:26



Tgt Ion:225 Resp: 4741
Ion Ratio Lower Upper
225 100
223 211.8 50.7 76.1#
227 230.0 51.4 77.0#

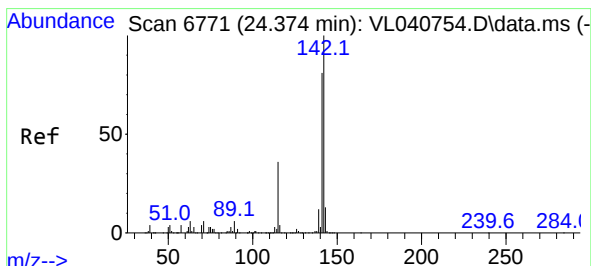
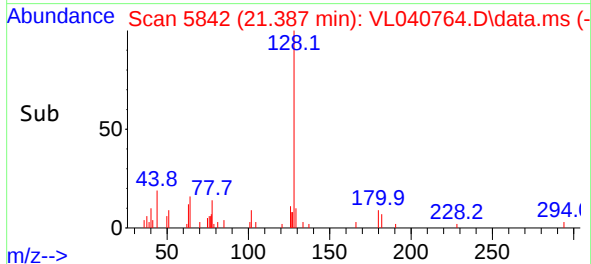
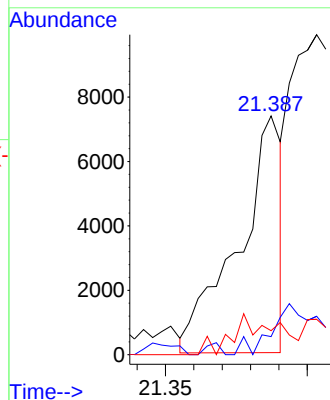
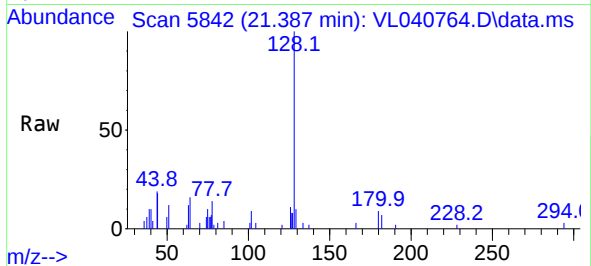




#79
Naphthalene
Concen: 0.033 ppbv
RT: 21.387 min Scan# 5843
Delta R.T. -0.003 min
Lab File: VL040764.D
Acq: 11 Oct 2023 20:26

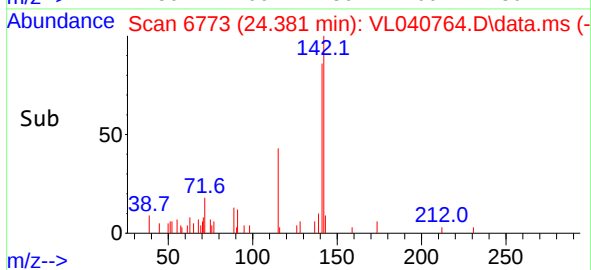
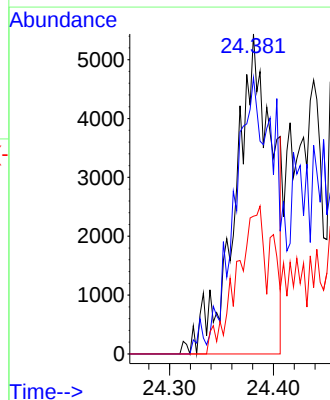
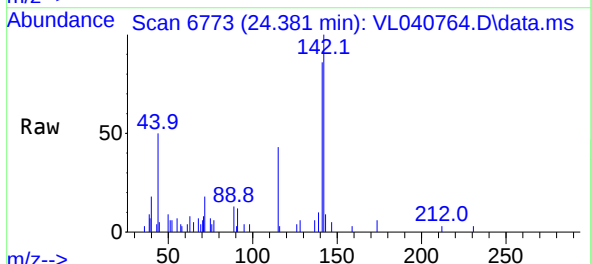
Instrument :
MSVOA_L
ClientSampleId :

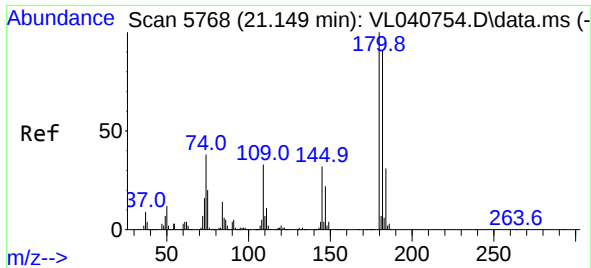
Tgt Ion:128 Resp: 7785
Ion Ratio Lower Upper
128 100
127 4.2 10.6 15.8#
129 10.8 9.0 13.4



#80
Naphthalene,2-methyl-
Concen: 0.199 ppbv
RT: 24.381 min Scan# 6773
Delta R.T. 0.006 min
Lab File: VL040764.D
Acq: 11 Oct 2023 20:26

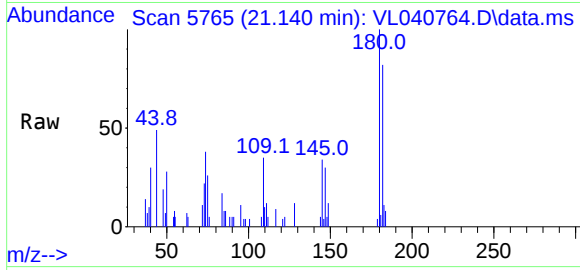
Tgt Ion:142 Resp: 13302
Ion Ratio Lower Upper
142 100
141 100.3 66.3 99.5#
115 55.5 30.0 45.0#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.030 ppbv
 RT: 21.140 min Scan# 51
 Delta R.T. -0.010 min
 Lab File: VL040764.D
 Acq: 11 Oct 2023 20:26

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion:180 Resp: 3917
 Ion Ratio Lower Upper
 180 100
 182 0.0 77.9 116.9#
 184 0.0 25.0 37.6#

